STR-D2070X/D3070X

SERVICE MANUAL

US Model
Canadian Model
STR-D2070X/D3070X:
E Model
STR-D2070X:

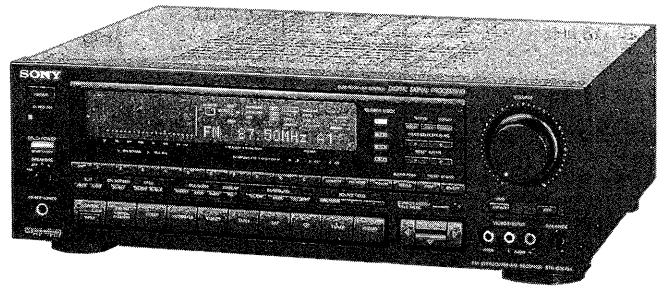

Photo: STR-D3070X

SPECIFICATIONS

Audio Power Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20 - 20,000 Hz, rated 120 watts per channel minimum RMS power, with no more than 0.015% total harmonic distortion from 250 milliwatts to rated output.

Other Specifications

Dynamic power output	8 ohms, at 1 kHz IHF	195 + 195 watts
	4 ohms, at 1 kHz IHF	250 + 250 watts
Harmonic distortion at rated output		Less than 0.015%
Intermodulation (IM) distortion at rated output		Less than 0.015%
Power output of center amplifier		30 watts (15 + 15 watts, 8 ohms at 1kHz)
Power output of surround(REAR)/ DRLC amplifier (8 ohms, at 1kHz)		15 + 15 watts
Frequency response	PHONO	RIAA equalization curve ±0.5 dB
	CD, DAT, TAPE 1,2 DIGITAL (OPTICAL. COAXIAL) VIDEO 1,2,3	10 Hz — 70 kHz $^{+0}_{-1}$ dB
Residual noise		Less than 70µV
Damping factor (8 ohms, at 1kHz)		50
Input sensitivity/ impedance	PHONO MM	2.5 mV, 50 kilohms
	DAT,CD, VIDEO 1,2,3 TAPE 1,2	150 mV 50 kilohms
	DIGITAL (COAXIAL)	0.5 Vp-p, ±20 %,75 ohms
	DIGITAL (OPTICAL)	TOSLINK
S/N	PHONO MM	87 dB 79 dB** (A,2.5mV)
	DAT, CD VIDEO 1,2,3 TAPE 1,3	105 dB 85 dB** (A,150mV)

Output sensitivity/ impedance	DAT OUT, TAPE OUT 1,2 VIDEO 1	150 mV 10 kilohms
	SPEAKERS	Accepts seakers of 8-16 ohms
	HEADPHONES	Accepts headphones of high and low impedance
	CENTER OUT, REAR OUT	2.5 V, 1kilohm
	PRE OUT	1 V, 1Kilohm
MUTING		–20dB

** '78IHF

— Continued on page 2 —

使用時は添付資料も参照のこと
Refer to the additional documents.

FM STEREO / FM-AM RECEIVER

SONY®

Digital signal processor section

Modulation (A/D conversion)		High Density Linear Converter
Demonstration (D/A conversion)		High Density Linear Converter System (Pulse D/A Converter)
Sampling frequency		32 kHz, 44.1 kHz, 48 kHz
Equalizer	Band	3-band, Bass/treble Mid
	Turnover frequency	Bass: 99 Hz - 1 kHz Treble: 1 kHz - 10 kHz
	center frequency	Mid: 20 -18 kHz
	Level	±12 dB, 0.2 dB step
	Slope (Q)	3-step selectable, Wide, Mid, Narrow
DDS	compressor	9-step adjustable
	expander	9-step adjustable
Surround	ROOM SIZE	20-step adjustable
	WALL	20-step adjustable
	SEAT POSITION F/R	20-step adjustable
	SEAT POSITION L/R	20-step adjustable
	EFFECT LEVEL	20-step adjustable
	REVERB TIME	20-step adjustable
	DELAY TIME	15.0 ms-30. ms, 0.1 ms step
	REAR LEVEL	+10 - –50 dB, –∞, 1 dB step
	CENTER LEVEL	+10 - –50 dB, –∞, 1 dB step
	INPUT BALANCE	Automatic

FM tuner section

Frequency range		87.5 — 108.0 MHz
Antenna terminals		300 ohms, balanced 75 ohms, unbalanced
Sensitivity at 50 dB		18.3 dBf, 4.5 µV (mono) 38.3 dBf, 45 µV (stereo)
Usable sensitivity		11.2 dBf, 2 µV (IHF)
S/N	Mono	80 dB
	Stereo	74 dB
Harmonic distortion at 1 kHz	Mono	0.3 %
	Stereo	0.5 %
IM distortion	Mono	0.3 %
	Stereo	0.5 %
Separation		45 dB at 1 kHz
Frequency response		30 Hz — 15 kHz $^{+0}_{-2}$ dB
Selectivity		60 dB at 400 kHz
Capture ratio		1.2 dB
AM suppression ratio		54 dB
Image response ratio		70 dB
IF response ratio		70 dB
Spurious response ratio		80 dB
RF intermodulation at 800 kHz		60 dB
Auto tuning threshold	Low	30 dBf
	High	50 dBf

AM tuner section

Frequency range	530 — 1710 kHz (with 10 kHz interval) 531 — 1710 kHz (with 9 kHz interval)
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	35 dB (9 kHz), 40 dB (10 kHz)
Auto tuning threshold	55 dB/m

Video section

Inputs	VIDEO 1,2,3: 1 Vp-p 75 ohms
Outputs	VIDEO 1, MONITOR: 1 Vp-p 75 ohms

General

		STR-D3070X	STR-D2070X
System	Tuner section	PLL quartz-locked digital synthesizer system	
	Preamplifier section	Low-noise NF type equalizer	
	Power amplifier section	Pure-complimentary SEPP	
Power requirements		120 V AC,60 Hz	
Power consumption		USA model:260 watts Canada model:550 VA E model:120, 220 or 240 V adjustable	
AC outlets		Two switched, total 120 watts	
Dimensions		430 x 147.5 x 373 mm (17 x 5 $^7/_8$ x 14 $^3/_4$ inches)	
Weight		14.5 kg (32 lb)	13.5 kg (29 lb 13 oz)

Supplied accessories
FM ribbon antenna (1)
External antenna connector (1)
AM loop antenna (1)
Remote commander RM-P311 (1)
External antenna connector (1)
Sony Batteries SUM-3(NS) (2)

Design and specifications are subject to change without notice.

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Introduction
Overview

The STR-D3070X/D2070X is an FM Stereo/FM-AM receiver and audio/video control center.
You can enjoy various audio/video program sources with this unit.

TV/video programs
- You can enjoy TV or CATV programs with FM simulcast.
- Sounds from various audio program sources can be added on video tapes during editing.

Tuner
- Precise tuning is ensured by a quartz lock digital synthesizer.
- Station Index system allows you to tune into a station quickly.

Front panel
- The buttons and switches on the front panel are placed practically so that you can operate this receiver easily.

Digital surround processor
- The STR-D3070X/D2070X electronically reproduces the reflected sound (early reflection) and reverberation sound (reverberation) by using its digital signal processor, and allows you to obtain the acoustics of various situations.
- DOLBY SURROUND PRO LOGIC *decoder reproduces the specially encoded surround sound of Dolby surround video programs.

* Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792, and 3,959,590. Canadian numbers 1,004,603 and 1,037,877. "DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Digital parametric equalizer
- You can enjoy audio program sources with appropriate equalization curve by controlling the level of the desired 3 frequency bands.

Digital Dynamic Sound (DDS)
- you can use the compressor or expander to control the dynamics:
  — the compressor compresses the dynamic range of the program source, so you can enjoy dynamic sound at small output levels.
  — the expander eliminates undesired noise.

Sound field
- 10 recommended sound field programs (combination of surround, parametric equalizer, and digital dynamic sound settings) are preset in the factory for easy use. You can also store up to 10 settings you created in the memory.
- Combined use of the sound field programs and the preset stations allow you to enjoy broadcast listening immediately with the memorized sound field settings.

ON SCREEN function (STR-D3070X only)
- This function allows you to monitor the operation being performed on the monitor TV.

TITLE function (STR-D3070X only)
- With this function, you can edit a title and superimpose on your picture.

Dual room link control (DRLC)
- With the optionally available Dual Room Link control kit RM-2070K, you can obtain the DRLC function which links a second room to your main or primary listening room. You can enjoy listening to either the same program source being played in the main room or a different program source in the second room.

Programmable system commander RM-P311
- The supplied remote commander can "learn" the various functions of other remote commanders of the infrared type.

Precautions

On safety
- Operate the unit only on 120 V AC, 60 Hz.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.

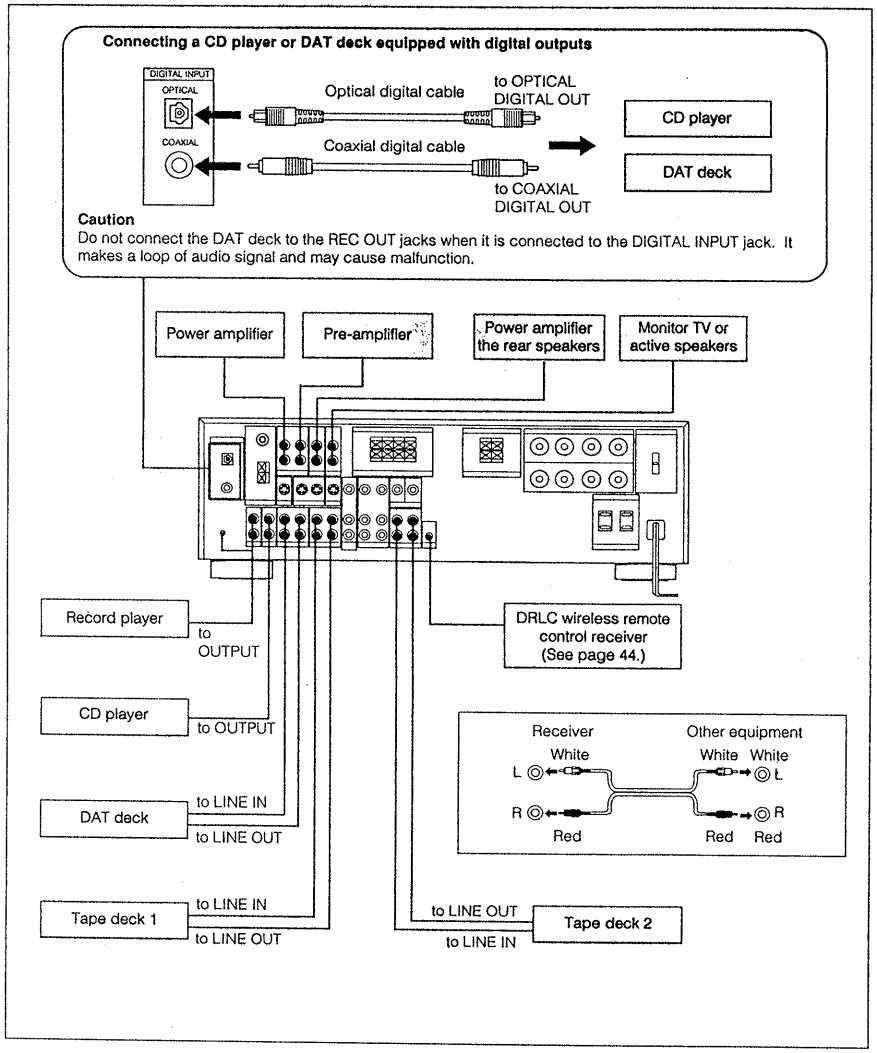
On operation
Before making program source connections, be sure to turn the power switch off and unplug the unit.

On cleaning the cabinet
Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine.

For the customers in the U.S.A.
For detailed safety precautions, see the "IMPORTANT SAFEGUARDS" leaflet.

If you have any question or problem concerning your unit, please consult your nearest Sony dealer.

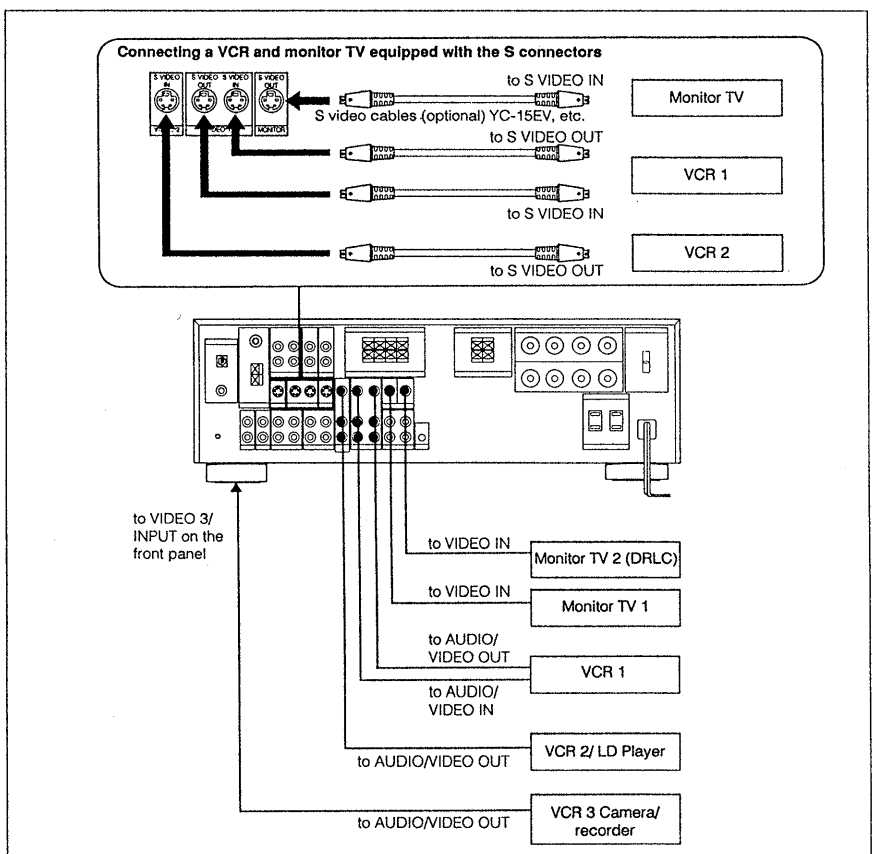
Connecting Audio Equipment



This section is extracted from instruction manual.

Hooking Up the System

Connecting Video Equipment


Connecting a VCR and monitor TV equipped with the S connectors
to S VIDEO IN
S video cables (optional) YC-15EV, etc.
to S VIDEO OUT
to S VIDEO IN
to S VIDEO OUT
Monitor TV
VCR 1
VCR 2
to VIDEO 3/ INPUT on the front panel
to VIDEO IN
Monitor TV 2 (DRLC)
to VIDEO IN
Monitor TV 1
to AUDIO/ VIDEO OUT
to AUDIO/ VIDEO IN
VCR 1
to AUDIO/VIDEO OUT
VCR 2/ LD Player
to AUDIO/VIDEO OUT
VCR 3 Camera/ recorder

Notes

- The unit has independent input/output circuitries for the S VIDEO and VIDEO IN jacks. Therefore, the video signal input from VIDEO IN does not output for the S VIDEO OUT jacks, and vice versa.
- When the VIDEO 1 S VIDEO IN and VIDEO 2 S VIDEO IN/OUT jacks are connected, use the phono jacks of VIDEO 1 IN and VIDEO 2 IN/OUT for the audio signals.

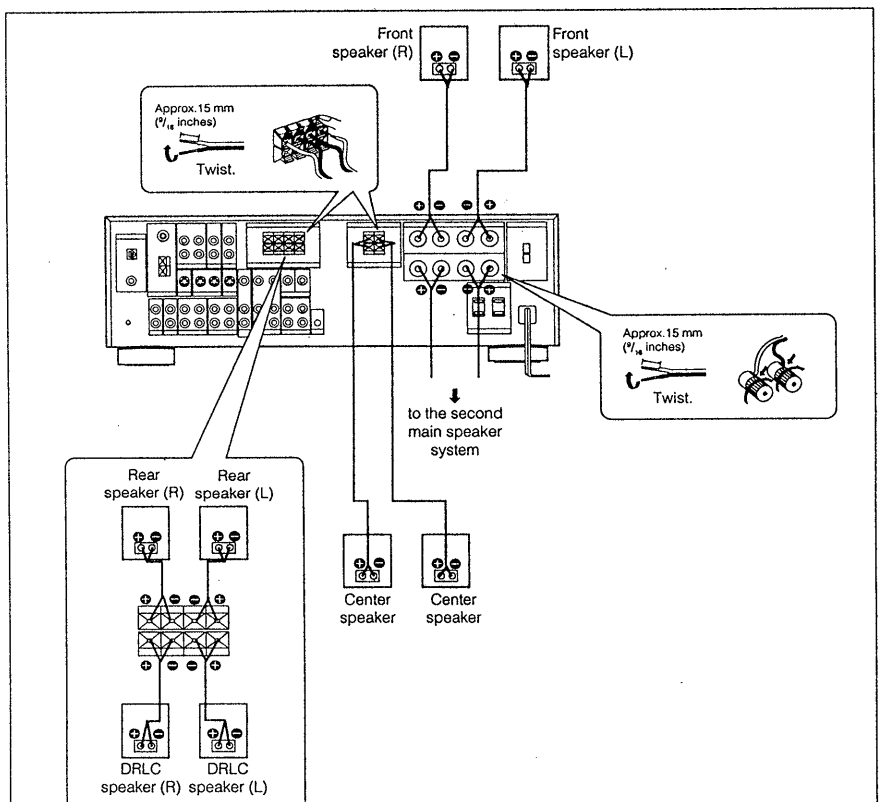
Caution for STR-D3070X

When the MONITOR VIDEO OUT jack is connected and ON SCREEN ON/OFF is set to ON (The ON SCREEN indicator lights up.), the cursor mode operation buttons cannot be used for the other functions than the ON SCREEN function.

When the MONITOR S VIDEO OUT jack is connected, the ON SCREEN function cannot be available.

Connecting Speaker Systems

Front, rear, center speakers and the speakers for the DRLC function can be connected to this unit.



Speaker impedance and power capability

This receiver is designed to work best with speakers having nominal impedance from 8 to 16 ohms. Be sure to use a speaker system with adequate nominal impedance and power handling capabilities.

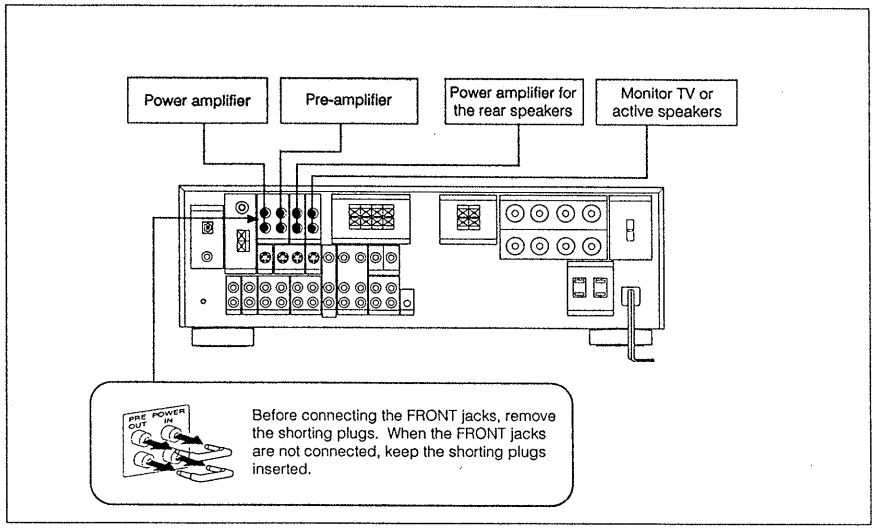
Note

- When connecting the speaker cord to the speaker terminal, make sure that the polarity (+ and –) of the speaker cord is correct. If the polarity is reversed at either speaker, the sound will be distorted and will lack bass.
- When connecting the active speaker incorporated with the power amplifier, connect to the either L or R of CENTER jack.

Hooking Up the System

Connecting the external power amplifier

By connecting the external power amplifier to this receiver, you can obtain a powerful sound.


Power amplifier
Pre-amplifier
Power amplifier for the rear speakers
Monitor TV or active speakers
PRE OUT
POWER IN
Before connecting the FRONT jacks, remove the shorting plugs. When the FRONT jacks are not connected, keep the shorting plugs inserted.

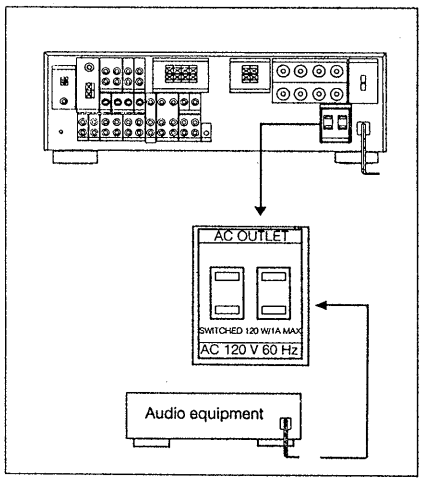
When connecting the amplifiers for the front speakers
Connect the input jacks of the power amplifier to the FRONT PRE OUT jacks of this receiver and the output jacks of the pre-amplifier to the FRONT POWER IN jacks of this receiver. The powerful sound of the front speakers will be available.

When connecting a power amplifier for the rear speakers
Connect the input jacks of the power amplifier to the REAR jacks of this receiver.

When connecting a monitor TV or an active speaker as a center speaker
Connect the input jack of the monitor TV or an active speaker to either L or R of the CENTER jacks of this receiver.

Connecting to the Power Outlet

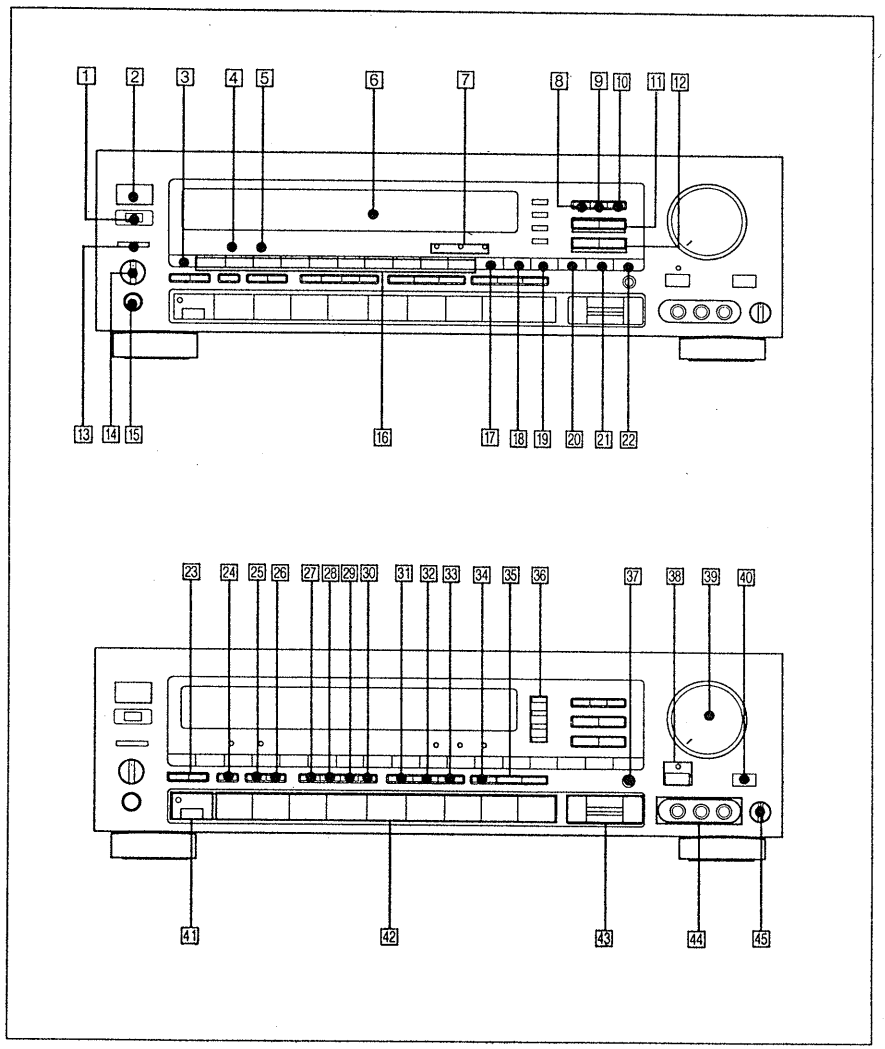
By connecting the power cord of the other audio equipment to SWITCHED AC OUTLET, this unit can supply the power source to the other audio equipment.



Caution
Be careful that the total power consumption of each equipment connected to the outlets on the receiver does not exceed 120 watts.
Do not connect electrical home appliances such as an electric iron, fan, TV, or other high-wattage equipment to these outlets.

Parts Identification

Front Panel



1 **Remote sensor**

2 **POWER switch**

3 **SHIFT button** (See pages 24, 25, 26.)

4 **ON SCREEN indicator (STR-D3070X only)** (See page 19.)

5 **TITLE ON indicator (STR-D3070X only)** (See page 42.)

6 **Display window**

7 **SAMPLING FREQUENCY indicators**

8 **TUNING DIRECT button** (See page 22.)

9 **TUNING LEVEL button** (See page 23.)

10 **DISPLAY FREQ/INDEX button** (See pages 23, 26, 27.)

11 **INDEX SELECT/TUNING –/+ buttons** (See pages 23, 27.)

12 **PRESET TUNING –/+ buttons** (See pages 25, 27.)

13 **DRLC/POWER switch** (See page 44.)

14 **SPEAKERS selector** (See page 19.)

15 **HEADPHONES jack**

16 **Numeric buttons** (See pages 22, 24, 25, 26, 27, 28, 33, 40, 41.)

17 **MEMORY button** (See pages 21, 24, 26, 40, 41.)

18 **FM MODE button** (See pages 22, 24.)

19 **FM/AM button** (See pages 22, 23.)

20 **SOUND FIELD RECALL button** (See pages 28, 40.)

21 **PRESET SF LINK PGM button** (See page 41.)

22 **PRESET SF LINK ON/OFF button** (See page 41.)

23 **EDIT VIDEO/AUDIO buttons** (See pages 30, 31.)

24 **ON SCREEN ON/OFF button (STR-D3070X only)** (See pages 8,19.)

25 **TITLE ON/OFF button (STR-D3070X only)** (See page 42.)

26 **TITLE IN/OUT button (STR-D3070X only)** (See page 42.)

27 **EQUALIZER ON/OFF button** (See page 38.)

28 **EQUALIZER BAND button** (See page 38.)

29 **EQUALIZER SLOPE button** (See page 38.)

30 **DISPLAY RTA (Real Time Analyzer) button** (See page 38.)

31 **SURROUND ON/OFF button** (See pages 17, 18, 39.)

32 **SURROUND MODE button** (See pages 17, 18.)

33 **SURROUND PRO LOGIC mode button** (See pages 16, 17.)

34 **SOUND FIELD USER/PRESET button** (See pages 28, 40.)

35 **SOUND FIELD –/+ buttons** (See pages 28, 33, 40, 41.)

36 **CURSOR MODE indicators** (See pages 17,18, 21, 26, 35, 38.)

37 **CURSOR MODE/TITLE MENU (STR-D3070X only) button** (See pages 17,18, 21, 26, 35, 38, 39.)

38 **MUTING button and indicator** (See page 19.)

39 **VOLUME control** (See page 19.)

40 **DDS (Digital Dynamic Sound) button** (See page 39.)

41 **TAPE 2 MONITOR button and indicator** (See page 29.)

42 **Function selectors**

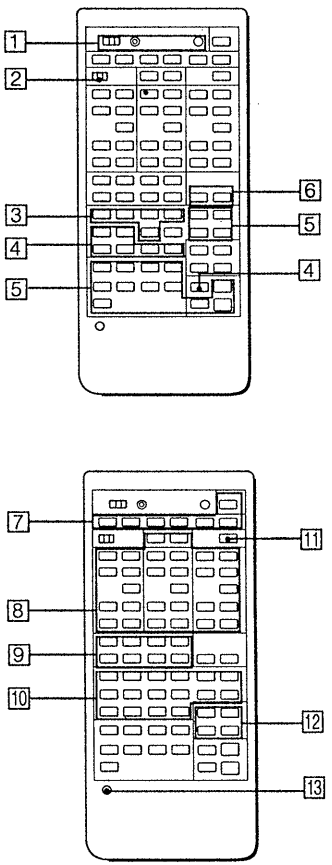
43 **Cursor mode operation buttons** (See pages 17, 18, 21, 35, 38, 39, 42.)

44 **VIDEO 3/INPUT jacks** (See page 8.)

45 **BALANCE control** (See page 19.)

Parts Identification

Remote Commander



1 Program control block
Mode selector and indicator (page 46)
SONY STD: To control Sony equipment.
USER STD: To control equipment whose remote control functions are stored.
LEARN: To store functions of other remote commanders emitting infrared rays.
PROGRAM CLEAR button: Clears the stored functions.

2 MODE selector
1: To select the functions indicated in light gray such as DECK, DAT, CD player and CURSOR/SURROUND mode of the receiver.
2: To select the functions indicated in blue such as VTR, LDP (Laser disc player) and TV.

3 Cursor control block
CURSOR MODE button: Selects cursor mode.
CURSOR operation buttons

4 Sound control block
S.(sound) FIELD buttons
MODE: Selects sound field mode.
USER/PRESET button: Selects the USER or PRESET mode.
SURROUND buttons
ON/OFF: Turns on/off the surround mode.
MODE: Selects the surround mode.
T. (test) TONE: Generates a pink noise signal that is sent in succession to each speaker.
EQ (equalizer) ON/OFF button: Turns on/off the equalizer.
DDS/DBFB button: Turns on/off the DDS (Digital Dynamic Sound). (The DBFB function is not available with this receiver.)

5 Amplifier block
FUNCTION selectors: Select an input source of the receiver.
REAR VOL +/– buttons: Control the volume of rear speakers (surround level).
MUTING button: Mutes the sound.
MASTER VOL +/– buttons: Control the receiver volume.
CENTER VOL +/– buttons : Control the volume of center speaker (surround level).

6 ON SCREEN block (STR-D3070X only)
ON SCREEN ON/OFF button: Turn on/off the ON SCREEN mode.
TITLER ON/OFF button: Turn on/off the TITLER mode.

7 Power control block for other equipment
SYSTEM OFF button: Turns off the power of the whole system: LDP, VTR, TV and AUDIO.
LDP/VTR/TV/AUDIO POWER buttons: Control the power of each unit.

8 TAPE/DAT/VTR control block
REC MODE REV/FWD buttons:
For reverse recording, press REV and ● together.
For forward recording, press FWD and ● together.
VTR 1: Betamax VCRs
VTR 2: 8mm VCRs
VTR 3: VHS VCRs
Set to the VTR 1, 2 or 3 according to your VCR setting.
ANT TV/VTR button: Selects the output signal from the antenna terminal on the VCR, either a TV signal or VCR programs.
VTR CH +/– buttons: Select channel on the VCR.
◄◄/►►: fast winding
●: Recording (Press ● and FWD at the same time.)
◄/►: Play
■: Stop
II: Pause

9 CDP/LDP control block
◄◄/►►: Manual search
I◄◄/►►I: Locates a desired selection
D (disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)
►: Play
■: Stops play.
II: Pause

10 TV control block
Program number (1 to 0) and ENTER buttons: Select the channel.
TV/VIDEO selector: Selects the program to see : TV or VIDEO.
TV VOL +/– buttons: Control the TV volume.
TV CH +/– buttons: Select a preset channel.

11 SLEEP button
Set to the SLEEP timer mode. In this mode, the unit is automatically turned off after the designated time. (page 20)

12 Tuner block
INDEX SEL (select) button: Select an indexed preset station.
SHIFT and PRESET +/– buttons: Select a preset station.

13 RESET button
Reset the commander to the initial state. If the remote commander does not function correctly after replacing the batteries with new ones, press this button.

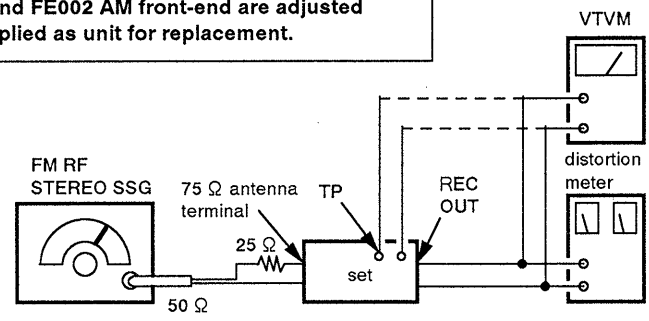
Note:
When the ◄/► (play) buttons in 8 and the SHIFT button and PRESET +/– buttons in 12 is pressed, the unit enters the corresponding function mode without pressing the FUNCTION buttons in 5, if the CD player is connected to the CD jacks, the tape deck to the TAPE jacks and the video deck to the VIDEO 1 jacks (switch the DECK/VCR selector on the remote commander to VTR 1).

SECTION 2
ELECTRICAL ADJUSTMENT

FE001 FM front-end and FE002 AM front-end are adjusted Perfectly and are supplied as unit for replacement.

FM SECTION

Connecting:



	Null & Mono Distortion	Stereo Separation	Muting Level
Carries frequency	98MHz		
Output level	60dB (1mV)		37dB/20dB
Modulation	1kHz, 75kHz deviation	1kHz, 33.75kHz deviation sub carrier 38kHz, 33.75kHz deviation pilot 19kHz, 7.5kHz deviation	1kHz, 75kHz deviation
Adjustment Location	T001/T002	RT004	RT002
Test Point (TP) or Jack	TP001/REC out	REC OUT	D003 (Cathode)

Null and Mono Distortion Adjustment

Setting:

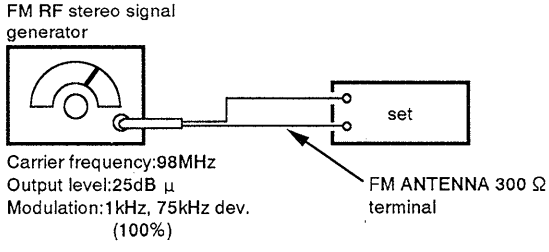
FUNCTION selector: TUNER
BAND selector: FM
FM MODE: MONO

Procedure:

1. Tune the set to 98MHz.
2. Adjust T001 so that the voltage of TP001(Null)becomes 0V(within 0 ± 50mV)
3. Adjust T002 so that the distortion at REC OUT becomes minimum.(Not more than 0.3%)
4. Repeat the procedures 2. and 3. several times.

• FM Stereo Operation Level Adjustment

Setting:



Procedure:

1. Tune the set to 98MHz.
2. Adjust RT003 that the STEREO LED goes on.

Stereo Separation Adjustment

- This adjustment should be performed after Mono Distortion Adjustment.

Setting:

FUNCTION selector: TUNER
BAND selector: FM
FM MODE: STEREO

Procedure:

Tune the set to 98MHz

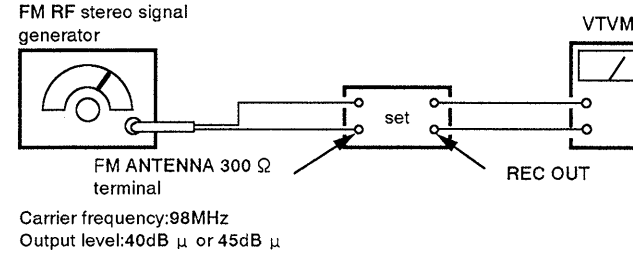
FM stereo signal generator output channel	VTVM connection	VTVM reading(dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RT004 for minimum reading
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RT004 for minimum reading

L-CH Stereo separation : Ⓐ−Ⓑ (≧ 40dB)
R-CH Stereo separation : Ⓒ−Ⓓ

The separations of both channels should be equal

• Auto Stop Level Adjustment

Setting:



Procedure:

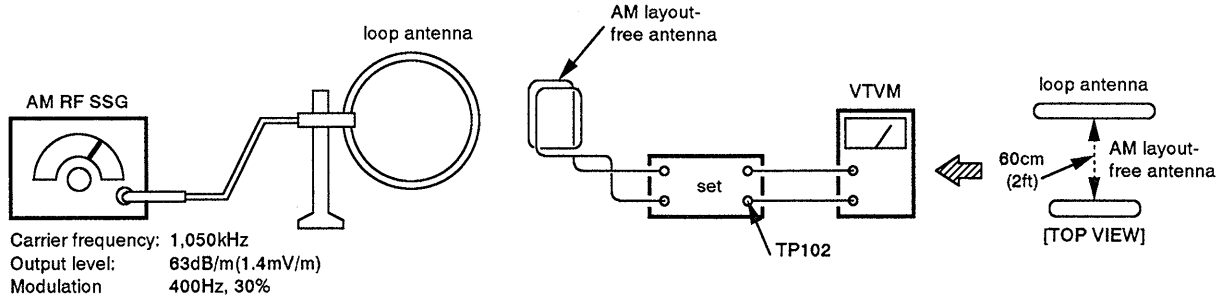
1. Turn the High/Low select switch to High.
2. Adjust RT002 so that the TUNED LED goes on.

AM SECTION

Tuned Level Adjustment

Setting:

FUNCTION selector: TUNER
BAND selector: AM



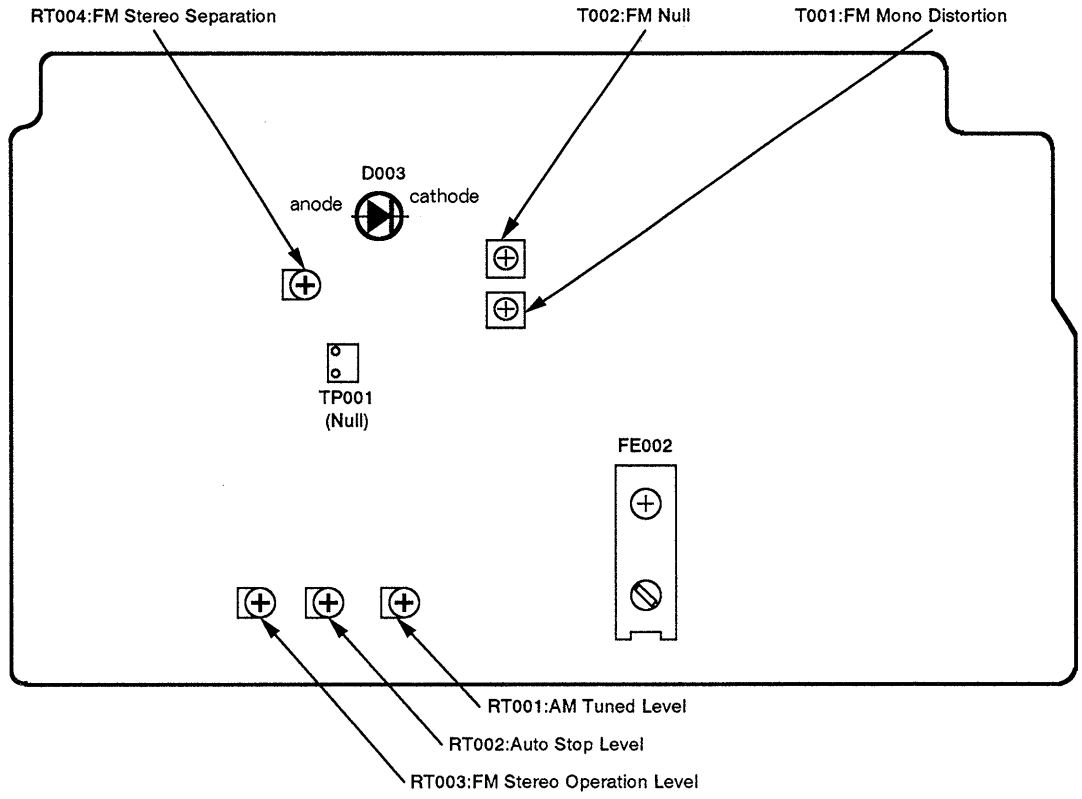
Carrier frequency: 1,050kHz
Output level: 63dB/m(1.4mV/m)
Modulation 400Hz, 30%

Procedure:

Adjust RT001 to the point where the voltage fo D003(cathode)turns from hight level to low.

Adjustment Location:

[TUNER BOARD] – Component side –



AMP SECTION

DC Bias Adjustment

- Perform this adjustment after replacement of power amp ordrive circuit transistors.

Setting:

VOLUME: 0
SPEAKERS: OFF(no load)

Procedures:

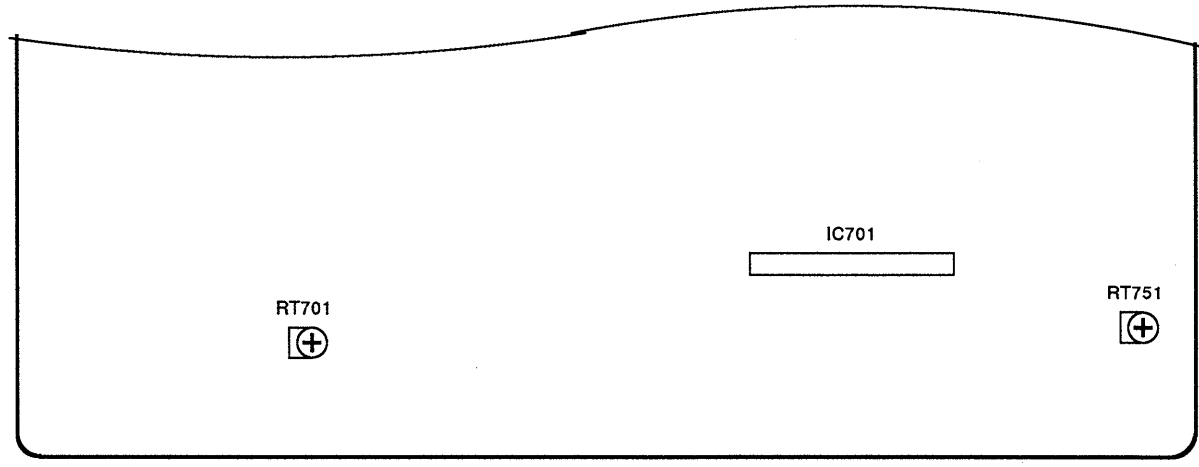
1. Connect the digital voltmeter to Bias Test Point(TP701 ①, ②:L-CH, TP701 ③, ④:R-CH)
2. Increase the AC power voltage gradually to 120V confirming that the voltmeter will not indicate an abnormal value.
3. Confirm that the display is normal.
4. Adjust RT701(L-ch)or RT751(R-ch)so that the reading on the voltmeter becomes 0.7mV within 30 seconds after the power turned on.

Note: It is normal that the voltage will increase as time passes.

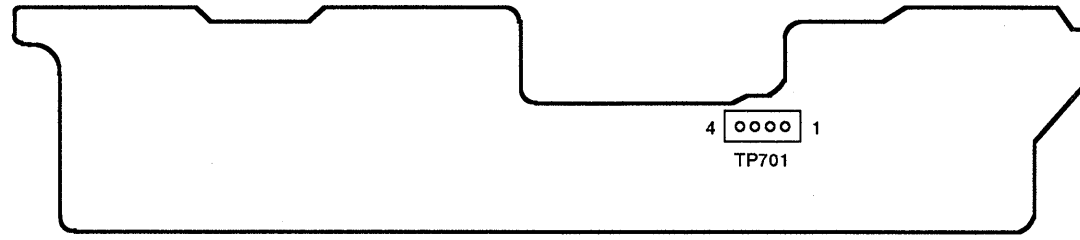
5. Turn the power off and remove the digital voltmeter.

Adjustment Location:

[MAIN BOARD] – Component side –



[SURROUND POWER BOARD] – Component side –



ONSCREEN SECTION

Color Burst Signal Adjustment

Setting:

Signal:	None
Frequency counter:	TP101

Procedure:

Adjust to 3.579545MHz with CT101

H.sync Signal Adjustment

Setting:

Signal:	None
Frequency counter:	TP106

Procedure:

Adjust to 15.734kHz with RV105

Color Reproducibility Adjustment

Procedure:

1. Push [RTA] and [7] buttons at once while pushing [TAPE 2] button
2. Adjust the picture frame as shown in Fig. A when using a color bar chart for adjusyment with RV104

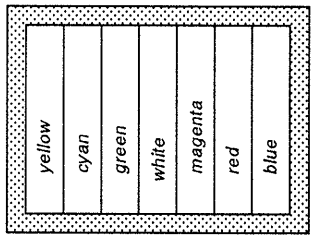


Fig. A. (picture of monitor screen)

Clock-High Adjustment

Setting:

Signal:	None
Frequency counter:	TP103

Procedure:

1. Short TP104 and GND
2. Adjust to 23.5MHz with RV105

Clock-Low Adjustment

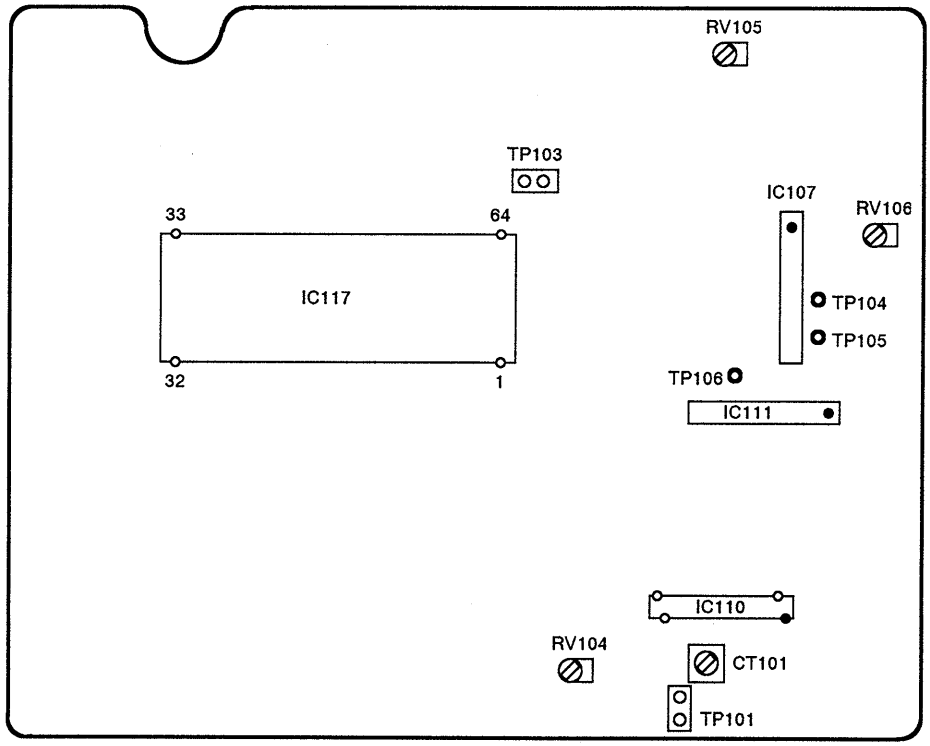
Setting:

Signal:	None
Frequency counter:	TP103

Procedure:

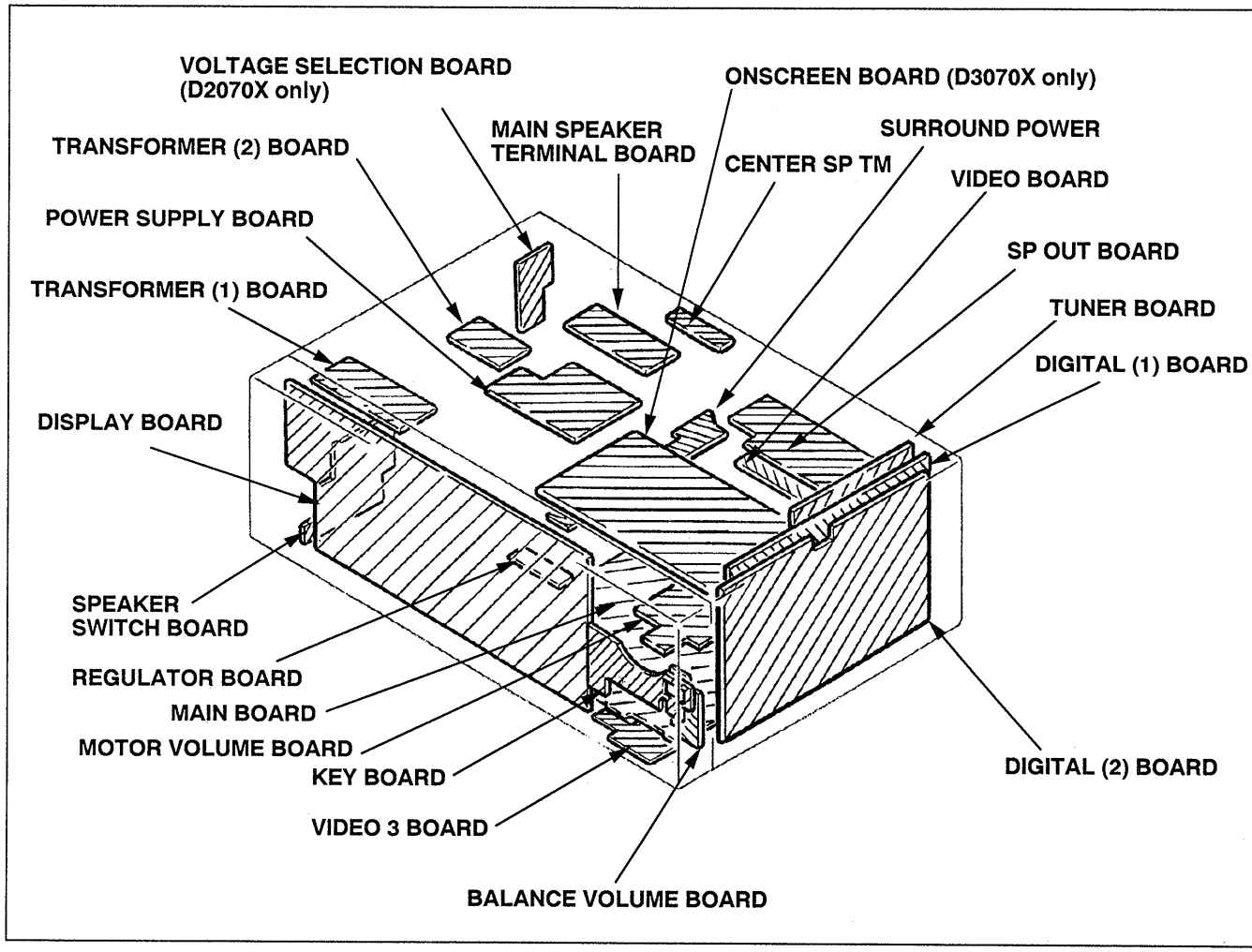
1. Short TP105 and GND
2. Adjust to 18.9MHz with RV106

Adjustment Location:
[ONSCREEN BOARD]



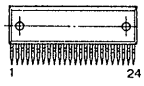
SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION

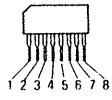


3-2. SEMICONDUCTOR LEAD LAYOUTS

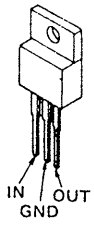
BA7230LS



BA7611AN
NJM4580L

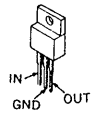


LM7805CT

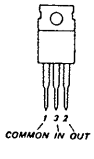


LVA519S
TC5081AP

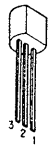
M5F78M15



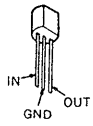
M5F79M15



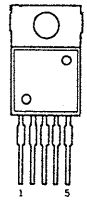
RC78L05A



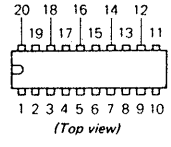
RC79L05A



SI18752N

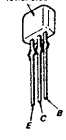


XR-1092

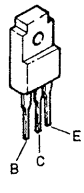


2SA988-PAFAEA

2SA1175-HFE

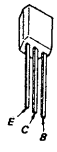


2SA1684-LK
2SC4431-LK
2SD2012



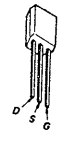
2SC1841-PAFAEA
2SC3112-B

2SC2603-EF

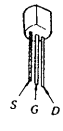


2SC3623A-L

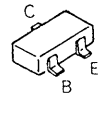
2SK241-GR



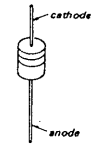
2SK246-GR3



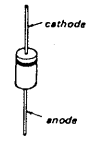
FA1A4M-L33
FN1A4M-T1M33



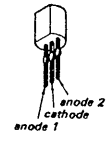
1SS120
1SS168
11ES2
HZS6A1L
HZS6C3L



HZ4ALL

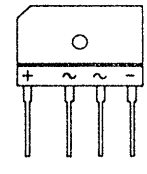


KV1310

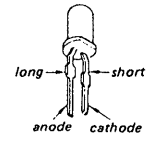


MC921

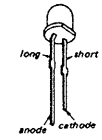
RBA-402



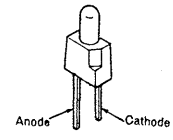
SEL2210S-C



SEL2810A



SEL3810A-CD



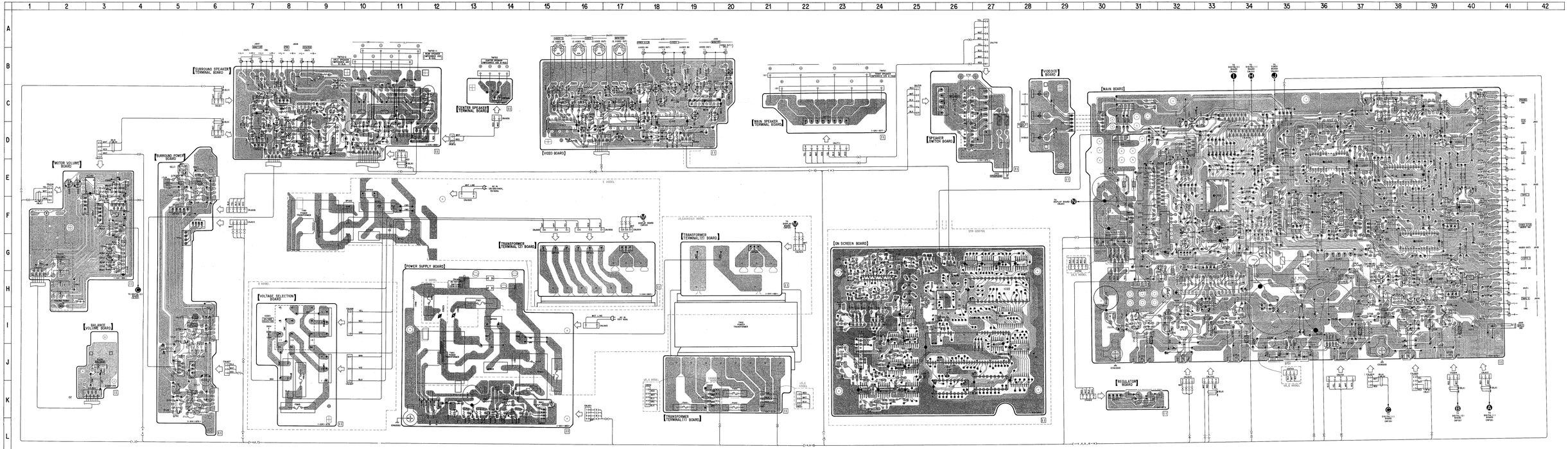
3-3. BLOCK DIAGRAMS

IC001 IF/RF DET
IC002 FM/AM MPX
IC003 PLL
FE001 FM FRONT-END
IC605 FUNCTION SWITCH
IC606 FUNCTION SWITCH
IC608 DRLC FUNCTION SELECT
IC611 ELECTRICAL VOLUME CONTROL
IC612 LINE SWITCH
IC704 SPEAKER AMP
IC703 SPEAKER AMP
IC702 SPEAKER AMP
IC701 POWER AMP
IC405 D.RAM
IC406 DIGITAL SIGNAL PROCESSOR DIGITAL FILTER
IC551 D/A CONVERTER
IC613 SYSTEM CONTROL
IC203 SYSTEM CONTROL
IC621 BAND PASS FILTER
FL201 FLUORESCENT INDICATOR TUBE
IC318 PROLOGIC GRAPHIC EQUALIZER
IC316 ROM
IC301 A/D CONVERTER
IC309 DIGITAL AUDIO INTER FACE RECEIVER
IC313 DIGITAL EFECT PROCESSOR
IC314 DIGITAL EFECT PROCESSOR
IC404 DIGITAL SIGNAL PROCESSOR DIGITAL FILTER
IC401 PHASE CONPARATOR
IC402 DIVIDER
IC101 INPUT SELECT
IC102 INPUT SELECT
IC103 INPUT SELECT
IC104 LINE SWITCH
R-CH:SAME AS L:CH.
STR-D3070X MODEL
ON SCREEN SECTION
US, CANADIAN MODEL
E MODEL
IC111 SYNCHRONOUS SEPARATION HORIZONTAL OSC
IC107 PLL
IC105 VCO
IC117 VIDEO DISPLAY PROCESSOR
IC110 ENCODER SWITCH
IC118 VIDEO RAM
IC119 VIDEO RAM
IC125 DYSPLAY CONTROL MICRO-COMPUTER
IC128 DATA RAM
IC122 ROM
IC121 DATA SWITCH
IC120 DATA SWITCH
TO MAIN SECTION

3-4. PRINTED WIRING BOARDS(1)

• Refer to Page 14 for Semiconductor Layout.

Note:
- ◆ ○—— : parts extracted from the component side.
- ◆ ■ : parts mounted on the conductor side.
- ◆ ⬚ : indicates side identified with part number.

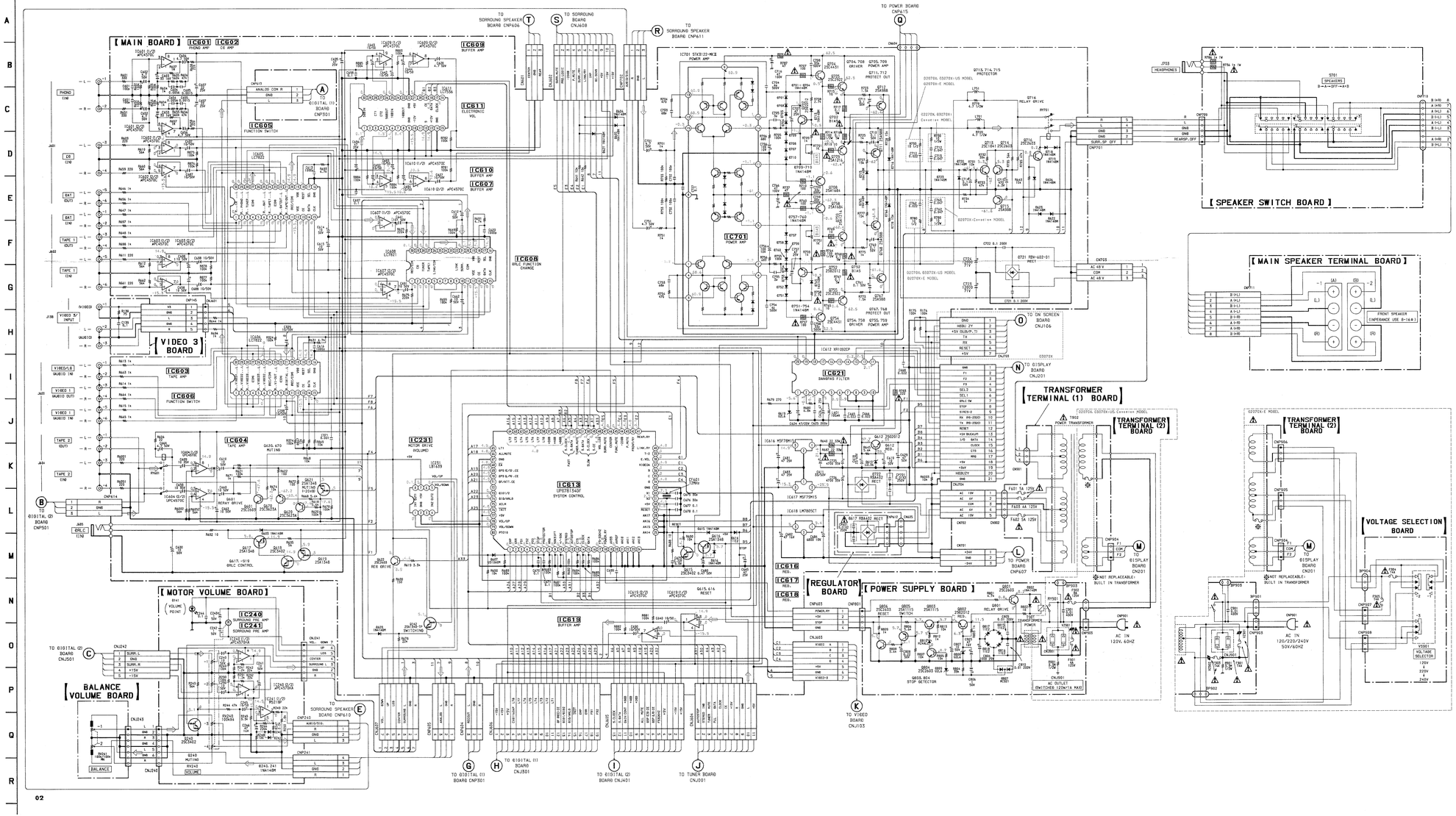


3-5. SCHEMATIC DIAGRAMS(1) • Refer to Page 53 for IC BLOCK Diagrams.

Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⚠ : internal component.
- : nonflammable resistor.
- : fusible resistor.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

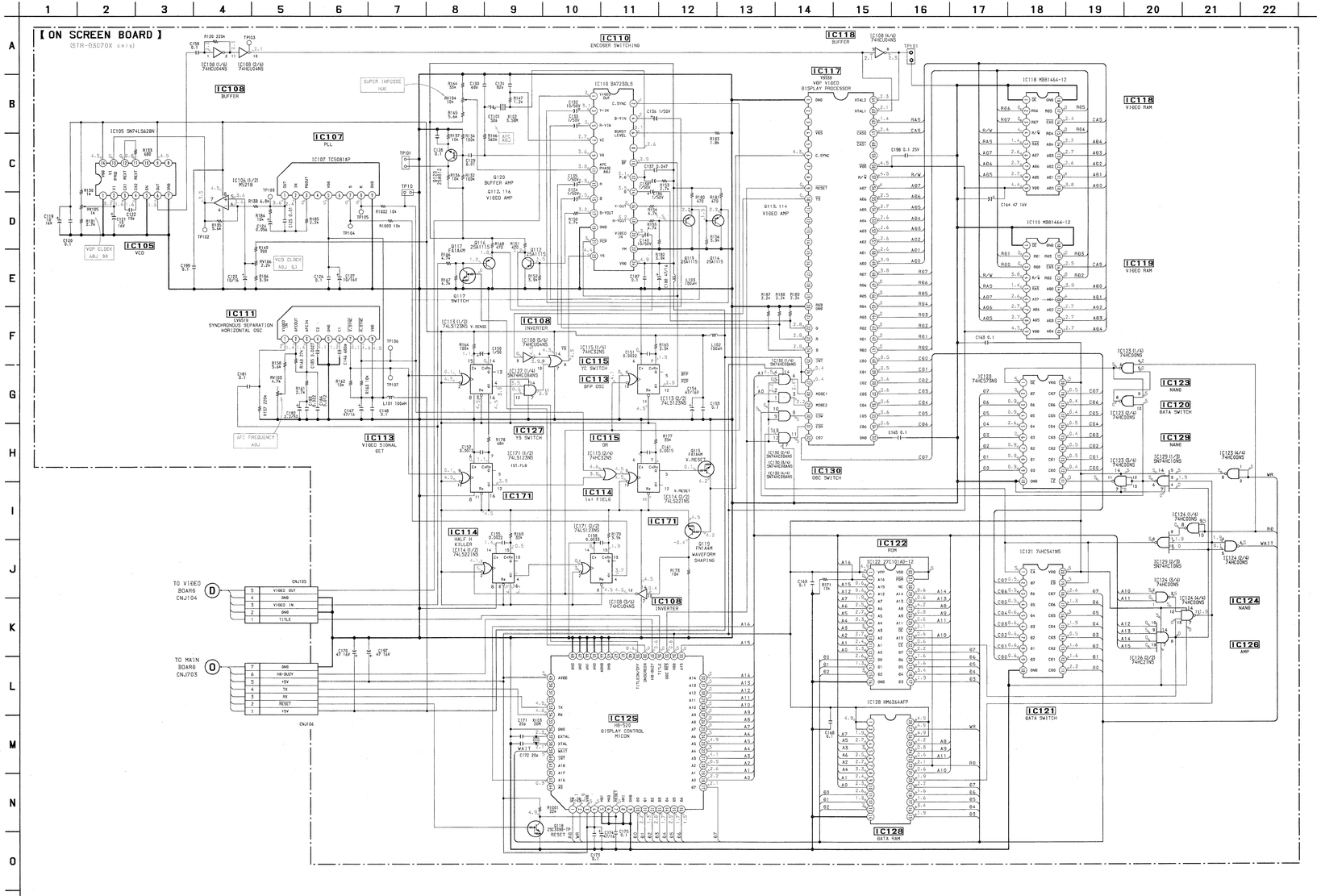
- ═══ : B+ Line
- ═══ : B− Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM



02

• SEMICONDUCTOR LEAD LAYOUTS

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	D − 18	D807	K − 12	IC621	G − 32	Q716	G − 34
D102	D − 18	D808	K − 13	IC701	H − 33	Q740	E − 5
D240	E − 3	D809	K − 13	IC702	E − 6	Q741	K − 5
D241	E − 3	D810	K − 13	IC703	K − 6	Q742	D − 11
D603	G − 37	D815	K − 12	IC704	I − 6	Q743	D − 11
		D816	K − 12				
D604	G − 34					Q745	D − 10
D605	F − 34	D817	K − 12	Q101	C − 17	Q752	J − 32
D606	G − 34	D818	K − 12	Q102	C − 16	Q754	I − 32
D607	E − 32			Q103	C − 18	Q755	J − 31
D609	F − 34			Q104	C − 16	Q759	J − 34
		IC003	E − 18	Q105	C − 18		
D610	H − 32	IC101	C − 17			Q767	I − 31
D614	E − 32	IC102	D − 15	Q106	C − 19	Q768	I − 34
D615	F − 32	IC103	C − 18	Q108	D − 16	Q791	I − 5
D616	G − 32	IC104	C − 19	Q109	C − 16	Q801	K − 15
D617	K − 31			Q110	C − 20	Q802	K − 14
		IC105	K − 24	Q112	H − 23		
D619	G − 31	IC106	K − 24			Q803	K − 13
D621	G − 34	IC107	I − 24	Q113	G − 23	Q804	K − 13
D622	F − 34	IC108	K − 25	Q114	G − 23	Q805	K − 14
D623	F − 34	IC110	H − 24	Q115	J − 24	Q806	K − 14
D701	I − 38			Q116	H − 24	Q822	D − 6
		IC111	I − 24	Q117	H − 23		
D702	I − 39	IC113	I − 25				
D703	I − 39	IC114	J − 24	Q118	I − 26		
D704	I − 39	IC115	I − 25	Q119	J − 24		
D707	I − 38	IC117	J − 26	Q120	G − 24		
D708	I − 37			Q142	E − 34		
		IC118	K − 26	Q240	F − 3		
D709	I − 37	IC119	K − 27				
D712	I − 38	IC120	J − 28	Q601	H − 40		
D713	I − 38	IC121	K − 28	Q604	C − 9		
D715	H − 37	IC122	H − 27	Q605	C − 9		
D716	I − 39			Q606	C − 9		
		IC123	G − 28	Q607	C − 9		
D718	G − 34	IC124	G − 27				
D719	G − 35	IC125	H − 26	Q608	D − 8		
D720	H − 38	IC126	G − 26	Q609	D − 8		
D722	G − 30	IC127	J − 25	Q610	C − 8		
D721	J − 35			Q612	G − 32		
		IC128	I − 27	Q613	C − 9		
D723	H − 38	IC129	G − 27				
D740	E − 5	IC130	J − 27	Q615	F − 32		
D741	K − 5	IC171	I − 24	Q616	G − 32		
D742	D − 11	IC231	E − 35	Q617	H − 38		
D743	D − 11			Q618	H − 38		
		IC240	G − 4	Q619	G − 33		
D744	D − 11	IC241	E − 3				
D745	I − 31	IC601	C − 39	Q620	H − 38		
D746	D − 10	IC602	D − 40	Q621	G − 37		
D747	D − 10	IC603	F − 40	Q622	F − 35		
D748	D − 11			Q624	C − 7		
		IC604	H − 39	Q625	C − 8		
D749	D − 10	IC605	E − 38				
D751	I − 32	IC606	F − 39	Q626	D − 8		
D752	I − 31	IC607	E − 37	Q627	D − 8		
D753	I − 31	IC608	E − 36	Q670	H − 38		
D754	I − 31			Q702	J − 38		
		IC609	F − 35	Q704	I − 39		
D757	I − 33	IC610	F − 36				
D758	I − 33	IC611	F − 36	Q705	J − 39		
D759	I − 33	IC612	D − 9	Q708	I − 38		
D760	I − 34	IC613	E − 33	Q709	J − 37		
D763	I − 32			Q711	H − 37		
		IC614	C − 7	Q7121	I − 39		
D765	H − 34	IC616	D − 31				
D766	I − 31	IC617	C − 31	Q713	H − 38		
D791	I − 5	IC618	H − 31	Q714	H − 39		
D802	K − 14	IC619	D − 36	Q715	H − 38		

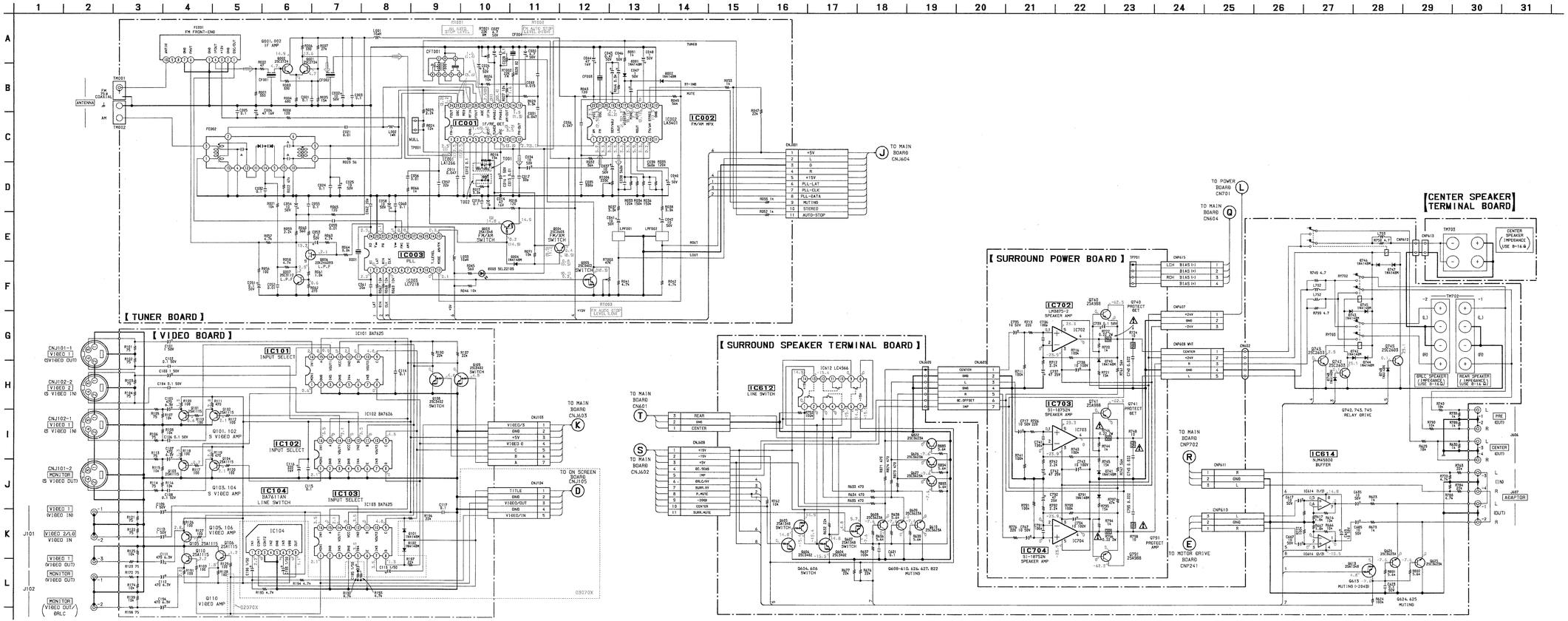


02

Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⏢ : internal component.
- ⏢ : nonflammable resistor.
- ⏢ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ○ : B+ Line
- ○ : B− Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark : FM ( ) : AM
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolnances.
- Signal path. ⇨ : FM



Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.

Note:	Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

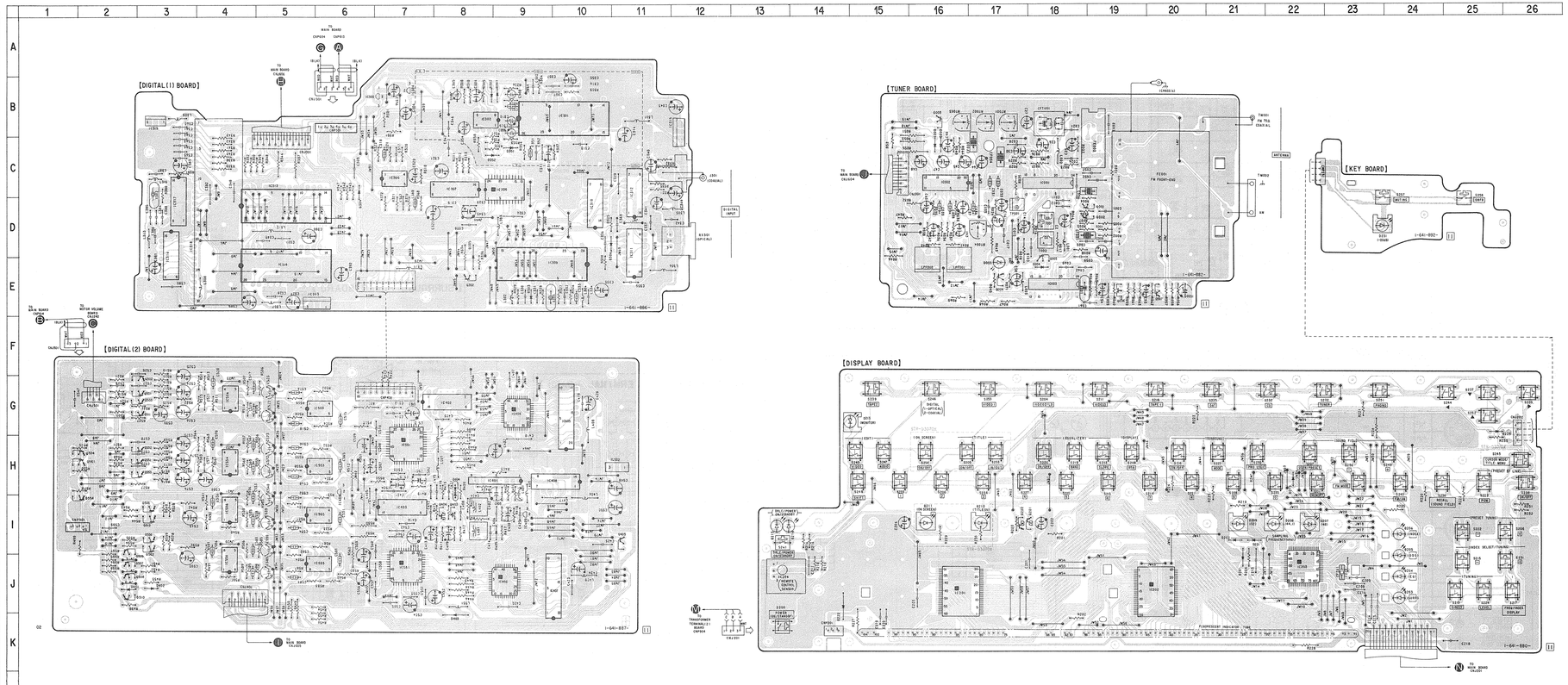
- : B+ Line
- : B− Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM

• SEMICONDUCTOR LEAD LAYOUTS

Ref. No.	Location	Ref. No.	Location
D001	C – 16	IC315	B – 12
D002	C – 16	IC316	E – 3
D003	E – 17	IC317	D – 3
D004	E – 18	IC318	D – 4
D201	J – 21	IC319	B – 3
D202	I – 21	IC400	H – 6
D203	J – 24	IC401	H – 8
D204	J – 24	IC402	G – 8
D205	J – 24	IC403	I – 7
D206	I – 24	IC404	G – 19
D207	I – 22	IC405	G – 10
D208	I – 22	IC406	J – 9
D209	I – 21	IC407	J – 10
D210	I – 17	IC408	H – 9
D211	I – 16	IC409	I – 9
D213	G – 15	IC501	H – 7
D214	I – 13	IC502	H – 11
D215	I – 13	IC503	G – 6
D219	H – 22	IC504	G – 4
D221	I – 21	IC505	I – 6
D222	J – 14	IC506	I – 4
D223	G – 25	IC551	J – 7
D231	D – 23	IC553	H – 6
D301	B – 9	IC554	H – 4
D302	B – 8	IC555	J – 6
D303	E – 9	IC556	J – 4
D304	C – 6		
D305	D – 8		
D306	D – 10	Q001	D – 19
D351	C – 9	Q002	D – 19
		Q003	E – 18
D352	C – 8	Q004	E – 17
D401	J – 2	Q005	B – 10
D402	J – 3		
D403	K – 8	Q006	E – 19
D404	H – 8	Q007	E – 20
		Q201	I – 17
D405	I – 9	Q202	I – 17
		Q302	E – 8
IC001	C – 18	Q403	I – 8
IC002	C – 16	Q404	I – 8
IC201	J – 16	Q405	I – 11
IC202	J – 20	Q501	G – 3
IC203	J – 22	Q502	G – 3
IC204	J – 13	Q503	G – 3
IC301	B – 10	Q504	H – 2
IC302	B – 8	Q506	I – 3
IC303	E – 5	Q507	J – 2
IC304	B – 7	Q508	J – 2
IC305	B – 7	Q509	I – 2
IC306	C – 7	Q510	J – 2
IC307	C – 8	Q511	G – 3
IC308	C – 9	Q512	I – 3
IC309	E – 9	Q551	H – 3
IC310	D – 10	Q552	H – 3
IC311	D – 11	Q553	H – 3
IC312	C – 11	Q554	I – 2
IC313	D – 5	Q556	I – 3
IC314	E – 5	Q561	H – 2
		Q562	I – 3

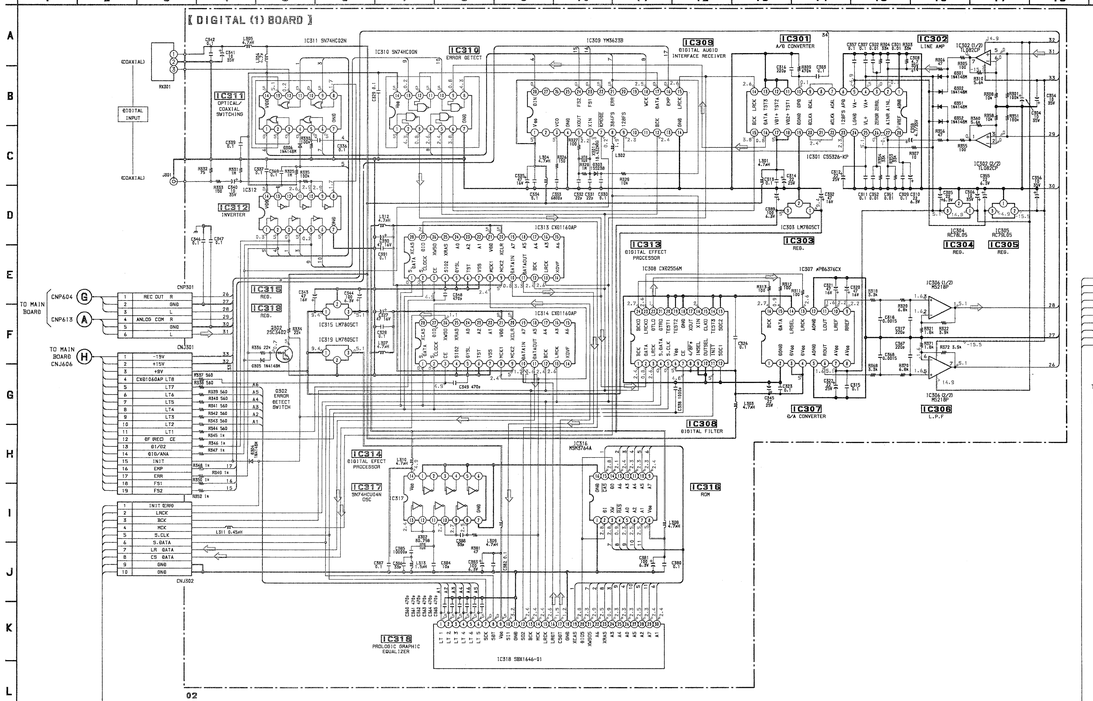
Note:
- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ⊏⊐ : indicates side identified with part number.

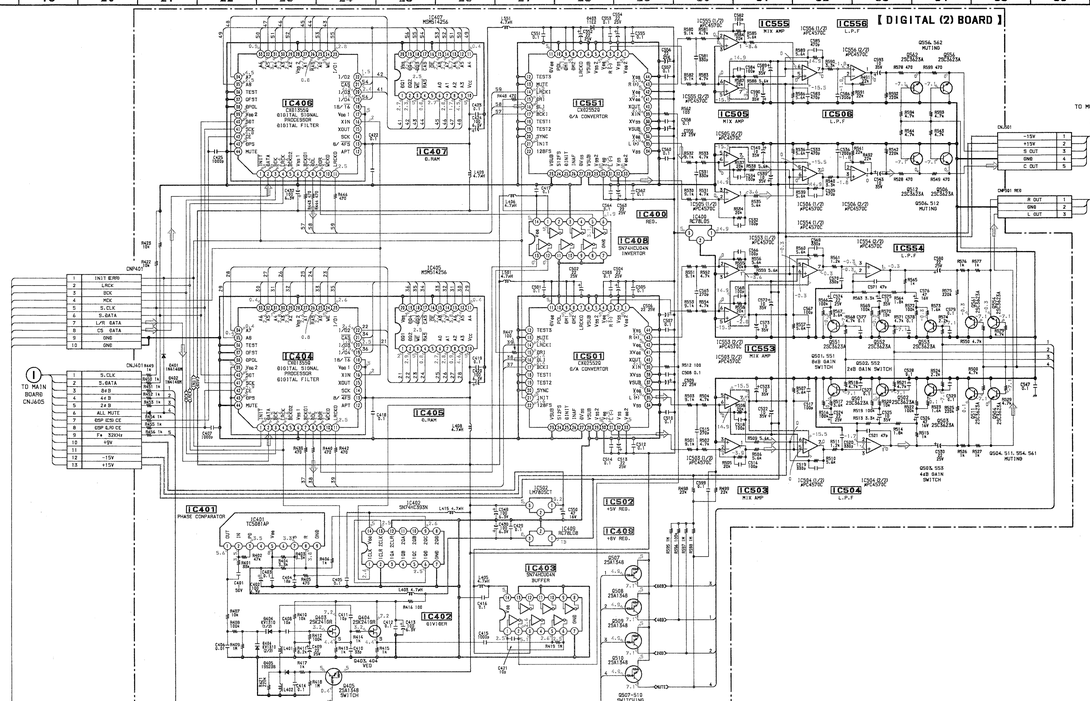
3-8. PRINTED WIRING BOARDS(2) • Refer to Page 14 for Semiconductor Layout.



3-9. SCHEMATIC DIAGRAMS(4)

• Refer to Page 53 for IC BLOCK Diagrams.

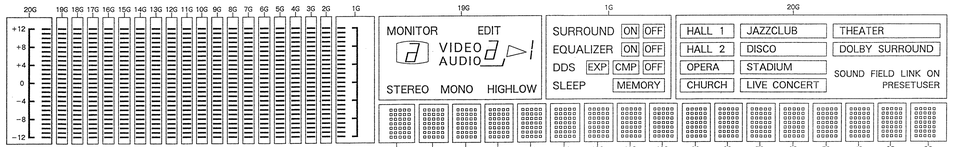




Note:
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- : internal component.
- : nonflammable resistor.
- : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line
- : B− Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM



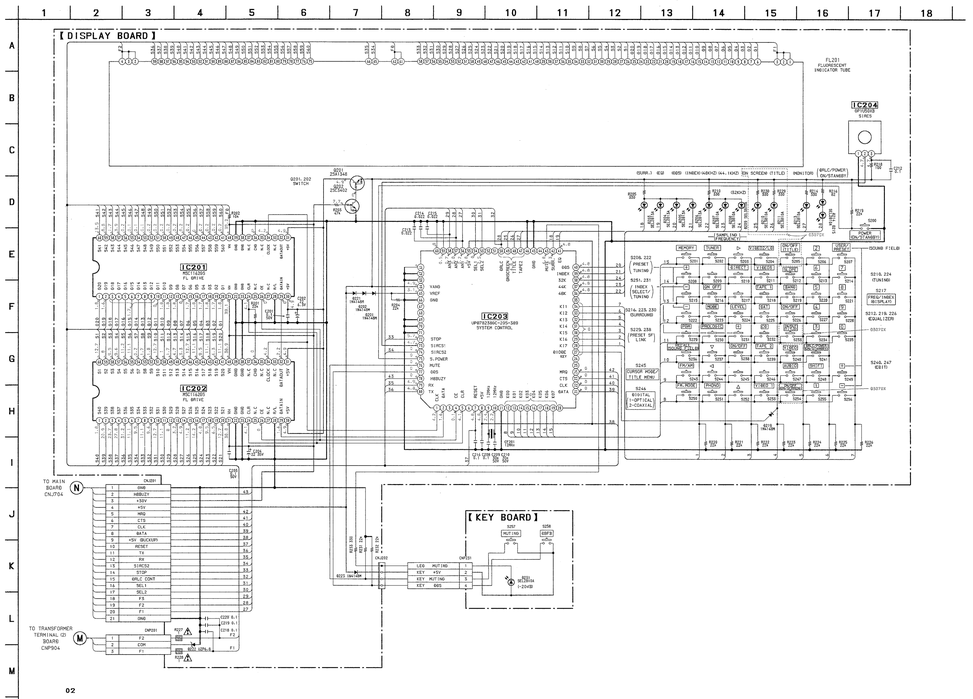
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.

Note:	**Note:**
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

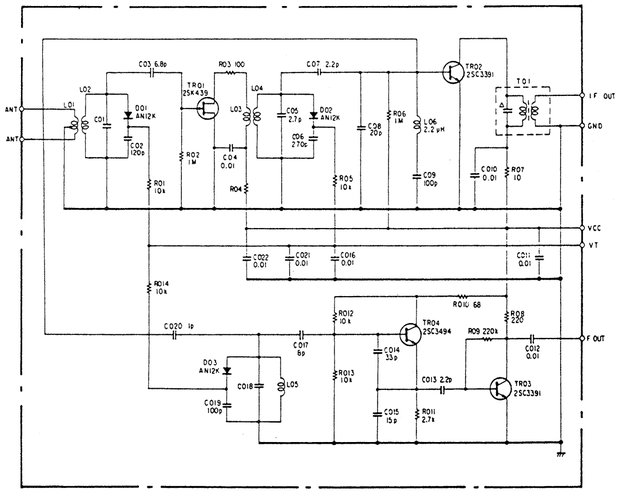
- ○ : B+ Line
- ○ : B− Line
- ○ Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
- ○ Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- ○ Signal path.
  ⇨ : FM

3-10. SCHEMATIC DIAGRAMS(5) • Refer to Page 53 for IC BLOCK Diagrams.



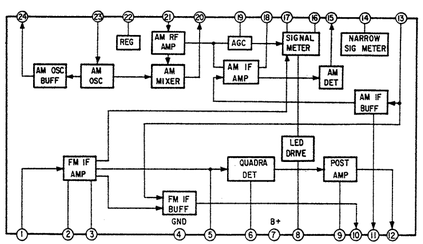
• FE1 (Front End) Schematic diagrams

FE1

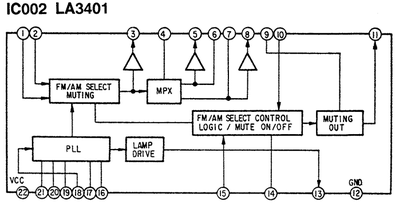


• IC BLOCK DIAGRAMS.

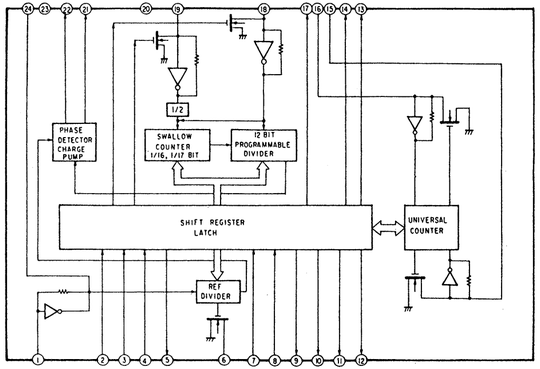
IC001 LA1266



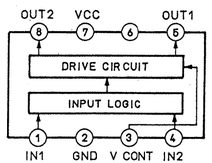
IC002 LA3401



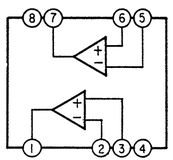
IC003 LC7218



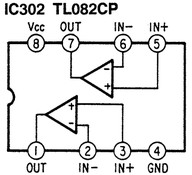
IC231 LB1639



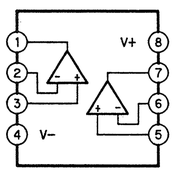
IC241 M5218P



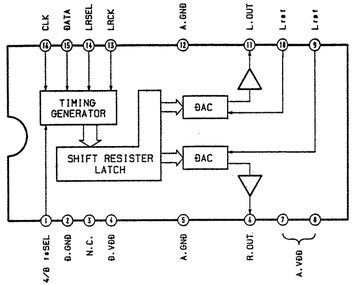
IC302 TL082CP



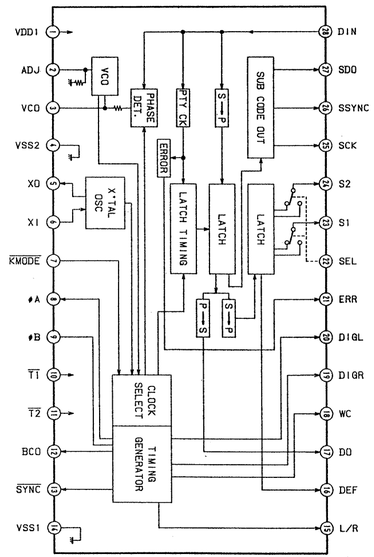
IC306 M5218AP



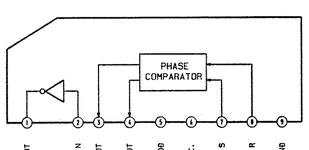
IC307 UPD6376



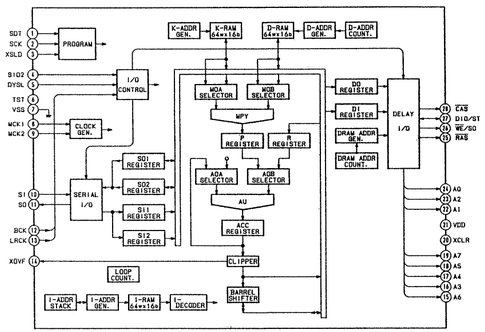
IC309 YM3623B



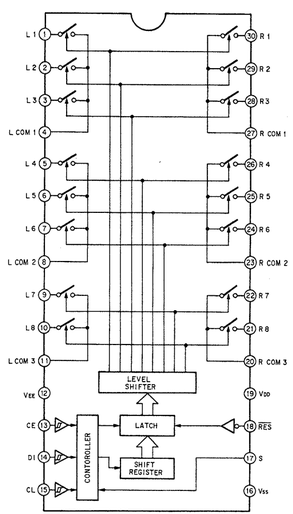
IC401 TC5081AP



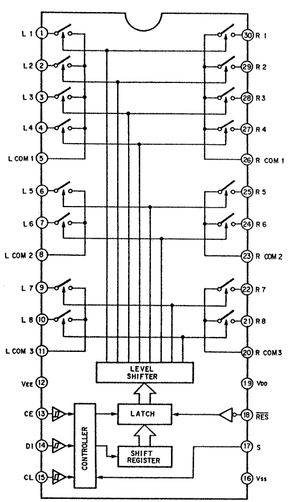
IC313, 314 CXD1160AP



IC605, 606 LC7822



IC608 LC7821



IC313, 314 Digital • Audio Signal Processing LSIs CXD1160 AP

These are digital • audio signal processing LSIs which incorporate instruction RAM, coefficient RAM, data RAM, multiplier and level shifter and are equipped with serial I/O, delay I/O (max. capability : stereo 1024 sampling • delay) and microcomputer interface for peripheral devices.

Pin No.	Symbol	I/O	Description
1	SDT	I	Serial • data input terminal to receive instructions, coefficients, I/O controls transferred from the microcomputer.
2	SCK	I	SDT serial • clock input terminal to fetches in data at a rise.
3	XSLD	I	Input terminal for a latch signal from the system microcomputer to latch serial • data inside the IC. LOW active (LCK for DPAC1).
4	SIO2	I	Input terminal to set the number of serial bit clocks BCK in each channels (ch1 or ch2) data transfer in one sampling section. 32-bit clock mode when fixed at GND, and 24-bit clock mode when fixed at +5V. (32 bits for this set)
5	DYSL	I	Delay I/O mode selector input terminal. Serial mode when fixed at GND, and similar operation to serial I/O. Delay mode when fixed at +5V, and a delay line equivalent to 2-channels is configured by connecting to external DRAM (64kbits).
6	TST	I	Test pin. Normally, fix at GND.
7	VSS		GND terminal.
8	MCK1	I	Master clock input 1. The master clock ACK inside the IC is half this frequency. Fix MCK2 at +5V when inputting the master clock from MCK2.
9	MCK2	I	Master clock input 2. The master clock ACK inside the IC is the same frequency as this. Fix MCK1 at +5V or GND when inputting the master clock from MCK 2.
10	SI	I	1-sampling 2-channel serial data input terminal.
11	SO	O	1-sampling 2-channel serial data output terminal.
12	BCK	I	Serial bit clock input terminal for SI and SO. Serial input data is fetched in at a rise of this BCK and output data is sent out. (64FS)
13	LRCK	I	FS clock input terminal for I/O (1FS)
14	XOVF	O	Adder/subtracter overflow detection output. "L" at overflow time.
15	A6	O	External DRAM address output A6
16	A3	O	External DRAM address output A3
17	A4	O	External DRAM address output A4
18	A5	O	External DRAM address output A5
19	A7	O	External DRAM address output A7
20	XCLR	I	Test pin. Normally, fix at +5V.
21	VDD	—	+5V power supply terminal.
22	A1	O	External DRAM address output A1
23	A2	O	External DRAM address output A2
24	A0	O	External DRAM address output A0
25	XRAS	O	Low address • strobe output terminal for external DRAM.
26	XWSO	O	Serves as a serial data output terminal when DYSL is at "L", and works in accordance with each serial I/O mode. Serves as an external DRAM write enable output terminal when DYSL is at "H".
27	DIO	I/O	Serves as a serial data input terminal when DYSL is at "L", and fetches in data ds accordance with each serial I/O mode. When DYSL is at "H", it serves as an external DRAM data input/output terminal to be used as a common line for data input D_{IN} and data output D_{OUT}.
28	XCAS	O	Column address strobe output terminal for external DRAM.

IC318 SBX1646-01

Pin No.	Symbol	I/O	Description
1	LT1	I	Latch1
2	LT2	I	Latch2
3	LT3	I	Latch3
4	LT4	I	Latch4
5	LT6	I	Latch6
6	LT5	I	Latch5
7	SCK	I	SDT serial • clock input terminal to fetches in data at a rise.
8	SDT	I	Serial • data input terminal to receive instructions, coefficients I/O controls transferred from the microcomputer.
9	VDD	—	+5V power supply terminal.
10	SI1	I	1-sampling 2-channel serial data input terminal.
11	GND	—	GND terminal.
12	SO2	O	1-sampling 2-channel serial data output terminal.
13	BCK	I	Serial bit clock input terminal for and so. serial input data is fetched in at rise of this BCK and output data is sent out. (64FS)
14	MCK	I	Master clock input1. The master clock ACK inside the IC is half this frequency. Fix MCK2 at +5V when inputting the master clock from MCK2.
15	LRCK	I	FS clock input terminal for I/O (1FS)
16	LRDT	O	Front L, Rch data out
17	CSDT	O	Center surround data out
18	GND	—	GND terminal
19	XCAS	O	Column address Strobe output terminal for external DRAM.
20	DI05	I/O	Serves as a serial data input terminal when DYSL is at "L" , and fetches in data as accordance with each serial I/O mode. When DYSL is at "H", it serves as an external DRAM data input/output terminal to be used as a Common line for data input DIN and data output Dout.
21	XWS05	O	Serves as a serial data output terminal when DYSL is at "L", and works in accordance with each serial I/O mode. Serves as an external DRAM write enable output terminal when DYSL is at "H".
22	A6	O	External DRAM address output A6
23	XRAS	O	Low address • strobe output terminal for external DRAM.
24	A3	O	External DRAM address output A3
25	A4	O	External DRAM address output A4
26	A0	O	External DRAM address output A0
27	A5	O	External DRAM address output A5
28	A2	O	External DRAM address output A2
29	A7	O	External DRAM address output A7
30	A1	O	External DRAM address output A1

IC203 UPD78238GC

Pin No.	Symbol	I/O	Description	Pin No.	Symbol	I/O	Description
1	P32/$\overline{SCK}$	O	CLK FL Tube	41	P42/AD2	O	EQ LED
2	P33/SO/SB0	O	DAT FL Tube	42	P41/AD1	O	SURR LED
3	P34/TO0	O	(A/D Control)	43	P40/AD0	O	MUTE LED
4	P35/TO1	O	LAT FL Tube	44	ASTB		
5	P36/TO2	O	CLR FL Tube	45	V_{SS}		
6	P37/TO3	O		46	MODE		
7	$\overline{RESET}$			47	P10/PWM0	O	TAPE2 LED
8	V_{DD}			48	P11/PWM1	O	TITLE
9	X2			49	P12	O	ON. SCR LED
10	X1			50	P13	O	DRLC LED
11	V_{SS}			51	P14	O	
12	PO0	O	Key matrix output	52	P15	O	
13	PO1	O	Key matrix output	53	P16SEL2	O	1 A/D Control
14	PO2	O	Key matrix output	54	P17SEL1	O	2 A/D Control
15	PO3	O	Key matrix output	55	V_{DD}		
16	PO4	O	Key matrix output	56	P70/AN10	I	AN Ø
17	PO5	O	Key matrix output	57	P71/AN11	I	AN 1
18	PO6	O	Key matrix output	58	P72/AN12	I	AN 2
19	PO7	O	Key matrix output	59	P73/AN13	I	AN 3
20	P67/$\overline{REFRQ}$	O		60	P74AN14	I	AN 4
21	P66/$\overline{WAIT}$	I/O	DAT μ-con interface	61	P75/AN15	I	AN 5
22	P65/$\overline{WR}$	O	CLK μ-con interface	62	P76/AN16	I	AN 6
23	P64/$\overline{RD}$	I	CTS μ-con interface	63	P77/AN17	I	AN 7
24	P63/A19	O	MRQ μ-con interface	64	AV_{DD}		
25	P62/A18	O		65	AV_{REF1}		
26	P61/A17	O		66	AV_{SS}		
27	P60/A16	O	Diode output	67	ANO0		
28	P57/A15	I	Key matrix input	68	ANO1		
29	P56/A14	I	Key matrix input	69	AV_{REF2}		
30	P55/A13	I	Key matrix input	70	AV_{REF3}		
31	P54/A12	I	Key matrix input	71	P20/NM1	I	(NMI)
32	P53/A11	I	Key matrix input	72	P21/INTP0	I	STOP(INTP Ø)
33	P52/A12	I	Key matrix input	73	P22/INTP1	I	SIRCS 1
34	P51/A9	I	Key matrix input	74	P23/INTP2/C1	I	SIRS 2
35	P50/A8	O		75	P24/INTP3	I	S. POW key
36	P47/AD7	O	FS48K LED	76	P25/INTP4/ASCK	I	MUTE key
37	P46/AD6	O	FS44K LED	77	P26/INTP5	I	DDS key
38	P45/AD5	O	FS32K LED	78	P27/SI	I	(SI)
39	P44/AD4	O	INDEX LED	79	P30/RxD	I	RxD
40	P43/AD3	O	DDS LED	80	P31/TxD	O	TxD

SECTION 4
EXPLODED VIEWS

NOTE:

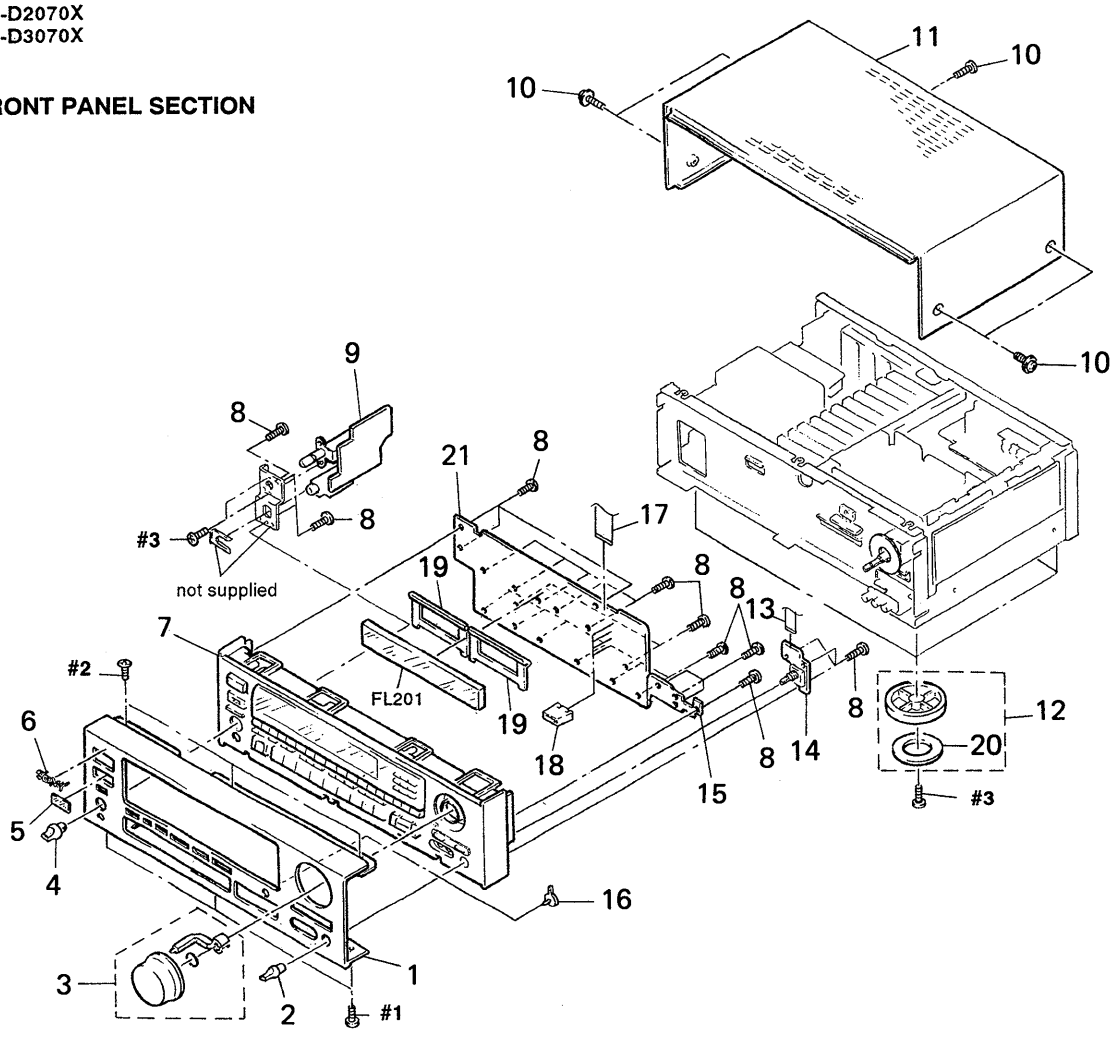
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) .... (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

D2:STR-D2070X
D3:STR-D3070X

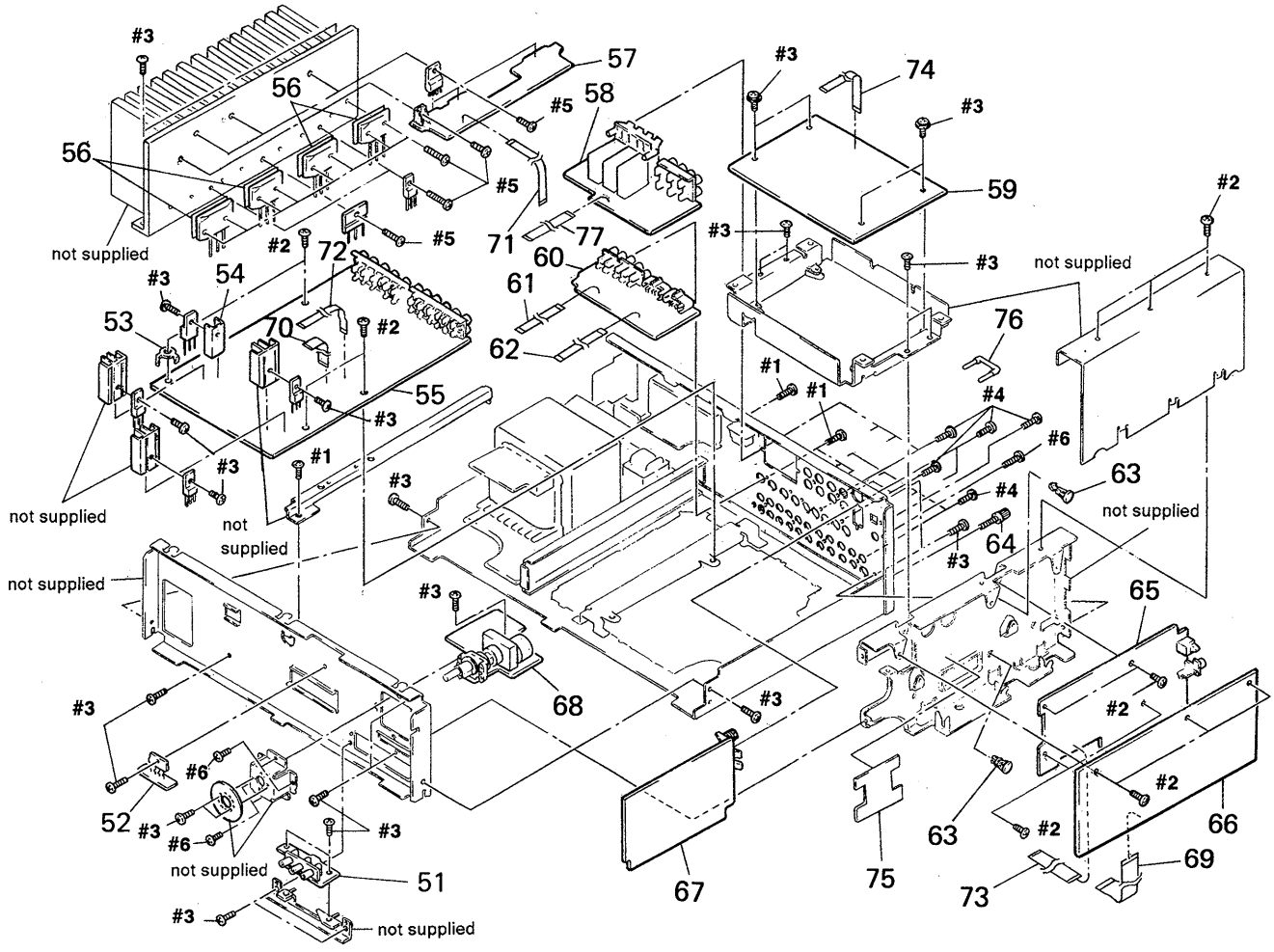
4-1. FRONT PANEL SECTION



Ref.No.	Part No.	Description	Remark
1	4-947-328-01	PANEL, FRONT (D3)	
1	4-947-328-11	PANEL, FRONT (D2)	
2	4-925-014-01	KNOB (DIA.10)	
3	X-4941-650-1	KNOB (A) ASSY	
4	4-908-097-21	KNOB	
5	4-947-366-01	FILTER (R)	
6	4-908-848-01	EMBLEM, SONY	
7	X-4941-912-1	PANEL (BASE) ASSY(D3)	
7	X-4941-913-1	PANEL (BASE) ASSY(D2)	
8	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
9	* 1-641-876-11	SPEAKER SWITCH BOARD	
10	3-704-366-01	SCREW (CASE) (M3X8)	
11	4-931-031-11	CASE	

Ref.No.	Part No.	Description	Remark
12	X-4885-950-1	FOOT ASSY	
13	1-575-968-11	WIRE, FLAT TYPE (7 CORE)	
14	* 1-642-245-11	BALANCE VOLUME BOARD	
15	* 1-641-892-11	KEY BOARD	
16	4-938-518-01	INDICATOR (C)	
17	1-690-091-11	WIRE, FLAT TYPE (21 CORE)	
18	* 4-945-958-01	COVER, LAMP	
19	4-938-529-01	HOLDER, FL TUBE	
20	4-923-836-11	CUSHION	
21	* A-4345-775-A	DISPLAY BOARD, COMPLETE(D3)	
21	* A-4347-298-A	DISPLAY BOARD, COMPLETE(D2)	
FL201	1-519-683-11	INDICATOR TUBE, FLUORESCENT	

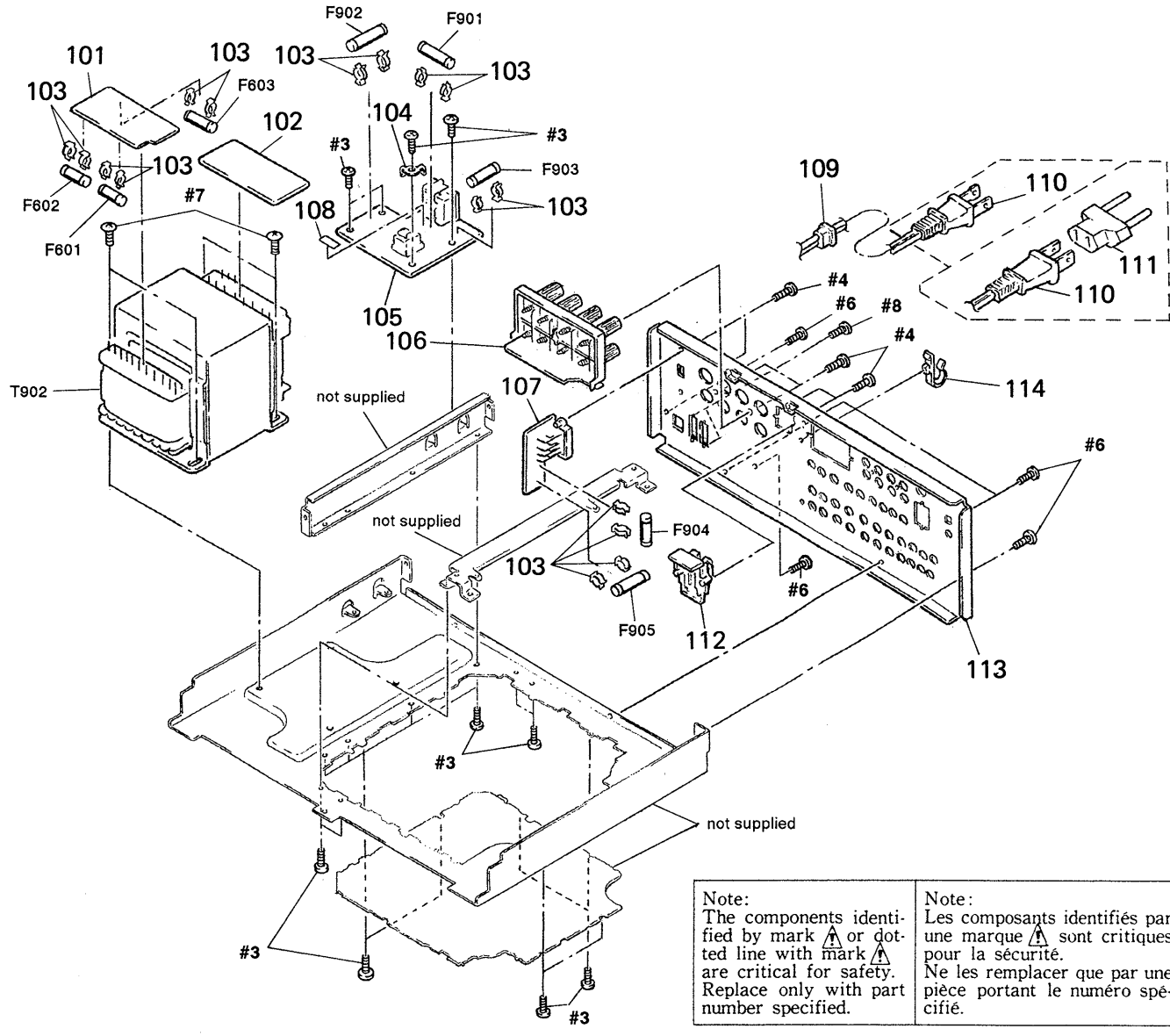
4-2. CHASSIS SECTION-1



Ref.No.	Part No.	Description	Remark
51	* 1-641-891-11	VIDEO (3) BOARD	
52	* 1-641-879-11	REGULATOR BOARD	
53	* 3-346-266-12	PLATE, GROUND	
54	* 3-309-144-21	HEAT SINK	
55	* A-4345-765-A	MAIN BOARD, COMPLETE(D3/D2:Canadian)	
55	* A-4345-768-A	MAIN BOARD, COMPLETE(D3:US, D2:US, E2, E3)	
56	4-885-901-31	SHEET, RADIATION	
57	* A-4345-769-A	SURROUND POWER BOARD, COMPLETE	
58	* A-4345-783-A	SURROUND SP TM BOARD, COMPLETE	
59	* A-4345-786-A	ON SCREEN BOARD, COMPLETE (D3)	
60	* A-4345-785-A	VIDEO BOARD, COMPLETE (D3)	
61	1-590-031-11	WIRE, FLAT TYPE (5 CORE)	
62	1-590-240-11	WIRE, FLAT TYPE (7 CORE)	
63	* 4-912-181-11	SUPPORT, PC	
64	3-706-165-00	SCREW	

Ref.No.	Part No.	Description	Remark
65	* A-4345-779-A	DIGITAL (1) BOARD, COMPLETE	
66	* A-4345-780-A	DIGITAL (2) BOARD, COMPLETE	
67	* A-4345-777-A	TUNER BOARD, COMPLETE	
68	* A-4345-781-A	MOTOR VOLUME BOARD, COMPLETE	
69	1-590-036-11	WIRE, FLAT TYPE (13 CORE)	
70	* 1-590-241-11	WIRE, FLAT TYPE (11 CORE)	
71	1-690-421-11	WIRE, FLAT TYPE (7 CORE)	
72	1-690-420-21	WIRE, FLAT TYPE (7 CORE)	
73	1-690-422-11	WIRE, FLAT TYPE (19 CORE)	
74	1-690-635-11	WIRE, FLAT TYPE (7 CORE) (D3)	
75	* 4-948-016-01	SPACER (A)	
76	1-535-706-11	PLUG, JUMPER	
77	1-534-517-00	WIRE, FLAT TYPE (11 CORE)	

4-3. CHASSIS SECTION-2



Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark
101	* 1-641-875-11	TRANSFORMER TERMINAL1 BOARD	
102	* 1-641-881-11	TRANSFORMER TERMINAL2 BOARD (D3/D2:US, Canadian)	
102	* 1-641-885-11	TRANSFORMER TERMINAL2 BOARD (D2:E2, E3)	
103	* 1-533-213-31	HOLDER, FUSE	
104	* 3-346-266-12	PLATE, GROUND	
105	* A-4345-778-A	POWER SUPPLY BOARD, COMPLETE (D3/D2:US, Canadian)	
105	* A-4347-028-A	POWER SUPPLY BOARD, COMPLETE (D2:E2, E3)	
106	* 1-641-877-11	MAIN SPEAKER TERMINAL BOARD	
107	* 1-641-878-11	VOLTAGE SELECTION BOARD (D2:E2, E3)	
108	3-701-947-18	LABEL (T4A), FUSE (D2:E2, E3)	
109	* 3-703-244-00	BUSHING (2104), CORD	
110	⚠1-575-975-11	CORD, POWER (D3/D2:US, Canadian)	
110	⚠1-590-074-11	CORD, POWER (D2:E2, E3)	
111	⚠1-569-007-11	ADAPTER, CONVERSION 2P (D2:E2/E3)	
112	* 1-641-889-11	CENTER SP.TM BOARD	

Ref.No.	Part No.	Description	Remark
113	* 4-947-324-01	PANEL, BACK (D3:US)	
113	* 4-947-324-11	PANEL, BACK (D3:Canadian)	
113	* 4-947-324-21	PANEL, BACK (D2:US)	
113	* 4-947-324-31	PANEL, BACK (D2:Canadian)	
113	* 4-947-324-41	PANEL, BACK (D2:E2, E3)	
114	* 4-949-235-01	HOOK	
F601	⚠1-576-109-11	FUSE 5A	
F602	⚠1-576-109-11	FUSE 5A	
F603	⚠1-576-108-11	FUSE 4A	
F901	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) 4A	
F901	⚠1-576-108-11	FUSE (D2/D3:US, Canadian) 4A	
F902	⚠1-532-749-11	FUSE, GLASS TUBE (D3/D2:US, Canadian) 8A	
F903	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) 4A	
F904	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) 4A	
F905	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) 4A	
T902	⚠1-450-692-11	TRANSFORMER, POWER (D3/D2:US, Canadian)	
T902	⚠1-450-780-11	TRANSFORMER, POWER (D2:E2/E3)	

SECTION 5
ELECTRICAL PARTS LIST

MAIN | **SURROUND** | **TRANSFORMER(1)** | **SPEAKER** | **MAIN SPEAKER**

VOLTAGE SELECTION | **REGULATOR** | **CENTER SP**

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal oxide-film resistor
  F: nonflammable

D2:STR-D2070X
D3:STR-D3070X

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA....: μA...., uPA....: μPA....
  uPB....: μPB...., uPC....: μPC....
  uPD....: μPD....
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref.No.	Part No.	Description				Remark
	* A-4345-765-A	MAIN BOARD, COMPLETE(D3/D2:Canadian)				
		**********				
	* A-4345-768-A	MAIN BOARD, COMPLETE				
		**********				
			(D3:US, D2:US, E2, E3)			
	* A-4345-769-A	SURROUND POWER BOARD, COMPLETE				
		**********				
	* 1-641-875-11	TRANSFORMER TERMINAL1 BOARD				
		**********				
	* 1-641-876-11	SPEAKER SWITCH BOARD				
		**********				
	* 1-641-877-11	MAIN SPEAKER TERMINAL BOARD				
		**********				
	* 1-641-878-11	VOLTAGE SELECTION BOARD (D2:E2, E3)				
		**********				
	* 1-641-879-11	REGULATOR BOARD				
		**********				
	* 1-641-889-11	CENTER SP. TM BOARD				
		**********				
	* 1-533-213-31	HOLDER, FUSE				
	* 3-309-144-21	HEAT SINK				
	* 3-346-266-12	PLATE, GROUND				
	7-682-548-04	SCREW +BVTT 3X8 (S)				
		< BASE POST >				
BP904	* 1-535-140-00	BASE POST 22MM (10MM PITCH) 3P				(D2:E2, E3)
		< CAPACITOR >				
C239	1-124-907-11	ELECT	10uF	20%	50V	
C289	1-124-907-11	ELECT	10uF	20%	50V	
C371	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C601	1-162-282-31	CERAMIC	100PF	10%	50V	
C602	1-124-907-11	ELECT	10uF	20%	50V	
C603	1-124-910-11	ELECT	47uF	20%	50V	
C604	1-130-480-00	MYLAR	0.0056uF	5%	50V	
C605	1-106-347-00	MYLAR	1500PF	5%	200V	
C606	1-124-907-11	ELECT	10uF	20%	50V	
C607	1-124-910-11	ELECT	47uF	20%	50V	
C608	1-124-907-11	ELECT	10uF	20%	50V	
C609	1-126-096-11	ELECT	10uF	20%	35V	
C610	1-124-907-11	ELECT	10uF	20%	50V	
C611	1-124-910-11	ELECT	47uF	20%	50V	
C612	1-124-907-11	ELECT	10uF	20%	50V	
C613	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C614	1-124-907-11	ELECT	10uF	20%	50V	
C615	1-124-907-11	ELECT	10uF	20%	50V	
C616	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C618	1-124-916-11	ELECT	22uF	20%	63V	
C619	1-124-907-11	ELECT	10uF	20%	50V	
C620	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C624	1-124-910-11	ELECT	47uF	20%	50V	
C625	1-102-977-00	CERAMIC	200PF	5%	50V	
C626	1-124-910-11	ELECT	47uF	20%	50V	
C627	1-124-907-11	ELECT	10uF	20%	50V	
C628	1-124-907-11	ELECT	10uF	20%	50V	
C629	1-124-910-11	ELECT	47uF	20%	50V	
C630	1-124-907-11	ELECT	10uF	20%	50V	
C637	1-124-907-11	ELECT	10uF	20%	50V	
C638	1-124-907-11	ELECT	10uF	20%	50V	
C640	1-124-907-11	ELECT	10uF	20%	50V	
C641	1-124-907-11	ELECT	10uF	20%	50V	
C642	1-124-907-11	ELECT	10uF	20%	50V	
C643	1-124-907-11	ELECT	10uF	20%	50V	
C644	1-124-907-11	ELECT	10uF	20%	50V	
C645	1-124-910-11	ELECT	47uF	20%	50V	
C651	1-162-282-31	CERAMIC	100PF	10%	50V	
C652	1-124-907-11	ELECT	10uF	20%	50V	
C653	1-124-910-11	ELECT	47uF	20%	50V	

MAIN **SURROUND** **TRANSFORMER(1)** **SPEAKER** **MAIN SPEAKER**
VOLTAGE SELECTION **REGULATOR** **CENTER SP**

Ref.No.	Part No.	Description			Remark
C654	1-130-480-00	MYLAR	0.0056uF	5%	50V
C655	1-106-347-00	MYLAR	1500PF	5%	200V
C656	1-124-907-11	ELECT	10uF	20%	50V
C657	1-124-910-11	ELECT	47uF	20%	50V
C658	1-124-907-11	ELECT	10uF	20%	50V
C659	1-126-096-11	ELECT	10uF	20%	35V
C660	1-124-907-11	ELECT	10uF	20%	50V
C662	1-124-907-11	ELECT	10uF	20%	50V
C663	1-124-907-11	ELECT	10uF	20%	50V
C664	1-124-927-11	ELECT	4.7uF	20%	100V
C665	1-161-494-00	CERAMIC	0.022uF		25V
C666	1-161-494-00	CERAMIC	0.022uF		25V
C668	1-161-494-00	CERAMIC	0.022uF		25V
C670	1-164-159-11	CERAMIC	0.1uF		50V
C675	1-162-210-31	CERAMIC	30PF	5%	50V
C676	1-162-210-31	CERAMIC	30PF	5%	50V
C677	1-164-159-11	CERAMIC	0.1uF		50V
C678	1-164-159-11	CERAMIC	0.1uF		50V
C679	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
C680	1-124-465-00	ELECT	0.47uF	20%	50V
C681	1-124-910-11	ELECT	47uF	20%	50V
C682	1-124-910-11	ELECT	47uF	20%	50V
C683	1-124-910-11	ELECT	47uF	20%	50V
C684	1-126-834-11	ELECT	6800uF	20%	10V
C687	1-124-907-11	ELECT	10uF	20%	50V
C688	1-124-907-11	ELECT	10uF	20%	50V
C690	1-124-907-11	ELECT	10uF	20%	50V
C691	1-124-907-11	ELECT	10uF	20%	50V
C692	1-124-907-11	ELECT	10uF	20%	50V
C693	1-124-907-11	ELECT	10uF	20%	50V
C694	1-124-907-11	ELECT	10uF	20%	50V
C695	1-124-910-11	ELECT	47uF	20%	50V
C696	1-124-910-11	ELECT	47uF	20%	50V
C697	1-164-159-11	CERAMIC	0.1uF		50V
C698	1-164-159-11	CERAMIC	0.1uF		50V
C699	1-136-177-00	FILM	1uF	5%	50V
C701	1-124-907-11	ELECT	10uF	20%	50V
C702	1-102-973-00	CERAMIC	100PF	5%	50V
C703	1-162-219-31	CERAMIC	68PF	5%	50V
C704	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C705	1-102-936-00	CERAMIC	3.0PF	±0.25PF	50V
C706	1-124-443-00	ELECT	100uF	20%	10V
C707	1-124-910-11	ELECT	47uF	20%	50V
C708	1-102-233-00	CERAMIC	33PF	10%	500V
C709	1-102-233-00	CERAMIC	33PF	10%	500V
C710	1-124-463-00	ELECT	0.1uF	20%	50V
C711	1-124-463-00	ELECT	0.1uF	20%	50V
C712	1-136-157-00	FILM	0.022uF	5%	50V
			(D3:US/D2:US, E2, E3)		

Ref.No.	Part No.	Description			Remark
C712	1-136-161-00	FILM	0.047uF	5%	50V
			(D3/D2:Canadian)		
C713	1-136-161-00	FILM	0.047uF	5%	50V
			(D3/D2:Canadian)		
C714	1-124-463-00	ELECT	0.1uF	20%	50V
C715	1-124-472-11	ELECT	470uF	20%	10V
C716	1-124-931-11	ELECT	47uF	20%	100V
C717	1-124-907-11	ELECT	10uF	20%	50V
C721	1-106-391-12	MYLAR	0.1uF	5%	200V
C722	1-106-391-12	MYLAR	0.1uF	5%	200V
C723	1-125-573-11	ELECT(BLOCK)	12000uF	20%	71V
C724	1-125-573-11	ELECT(BLOCK)	12000uF	20%	71V
C725	1-126-955-11	ELECT	4700uF	20%	35V
C726	1-126-955-11	ELECT	4700uF	20%	35V
C727	1-164-159-11	CERAMIC	0.1uF		50V
C734	1-124-667-11	ELECT	10uF	20%	100V
C735	1-124-907-11	ELECT	10uF	20%	50V
C736	1-162-282-31	CERAMIC	100PF	10%	50V
C737	1-124-910-11	ELECT	47uF	20%	50V
C738	1-124-667-11	ELECT	10uF	20%	100V
C739	1-124-463-00	ELECT	0.1uF	20%	50V
C740	1-136-157-00	FILM	0.022uF	5%	50V
C741	1-162-282-31	CERAMIC	100PF	10%	50V
C742	1-124-910-11	ELECT	47uF	20%	50V
C743	1-124-667-11	ELECT	10uF	20%	100V
C745	1-136-157-00	FILM	0.022uF	5%	50V
C751	1-124-907-11	ELECT	10uF	20%	50V
C752	1-102-973-00	CERAMIC	100PF	5%	50V
C753	1-162-219-31	CERAMIC	68PF	5%	50V
C754	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C755	1-102-936-00	CERAMIC	3.0PF	±0.25PF	50V
C756	1-124-443-00	ELECT	100uF	20%	10V
C757	1-124-910-11	ELECT	47uF	20%	50V
C758	1-102-233-00	CERAMIC	33PF	10%	500V
C759	1-102-233-00	CERAMIC	33PF	10%	500V
C760	1-124-463-00	ELECT	0.1uF	20%	50V
C761	1-124-463-00	ELECT	0.1uF	20%	50V
C762	1-136-157-00	FILM	0.022uF	5%	50V
			(D3:US/D2:US, E2/E3)		
C762	1-136-161-00	FILM	0.047uF	5%	50V
			(D3/D2:Canadian)		
C763	1-136-161-00	FILM	0.047uF	5%	50V
			(D3/D2:Canadian)		
C766	1-124-931-11	ELECT	47uF	20%	100V
C767	1-124-907-11	ELECT	10uF	20%	50V
C791	1-162-282-31	CERAMIC	100PF	10%	50V
C792	1-124-910-11	ELECT	47uF	20%	50V
C795	1-136-157-00	FILM	0.022uF	5%	50V

MAIN | SURROUND | TRANSFORMER(1) | SPEAKER | MAIN SPEAKER | VOLTAGE SELECTION | REGULATOR | CENTER SP

Ref.No.	Part No.	Description	Remark
		< FILTER >	
CF601	1-567-797-11	VIBRATOR, CERAMIC	
		< CONNECTOR >	
CNJ601 *	1-565-481-11	CONNECTOR, BOARD TO BOARD 5P	
CNJ602 *	1-568-830-11	SOCKET, CONNECTOR 11P	
CNJ603 *	1-568-826-11	SOCKET, CONNECTOR 7P	
CNJ604 *	1-568-830-11	SOCKET, CONNECTOR 11P	
CNJ605 *	1-568-832-11	SOCKET, CONNECTOR 13P	
CNJ606	1-568-802-11	SOCKET, CONNECTOR 19P	
CNJ607 *	1-568-826-11	SOCKET, CONNECTOR 7P	
CNJ609 *	1-568-826-11	SOCKET, CONNECTOR 7P	
CNJ703 *	1-568-826-11	SOCKET, CONNECTOR 7P (D3)	
CNJ704	1-568-838-11	SOCKET, CONNECTOR 21P	
CNP603 *	1-564-338-61	PIN, CONNECTOR 4P	
CNP604 *	1-564-506-11	PLUG, CONNECTOR 3P	
CNP605 *	1-564-507-11	PLUG, CONNECTOR 4P	
CNP607 *	1-564-506-11	PLUG, CONNECTOR 3P	
CNP608 *	1-564-508-11	PLUG, CONNECTOR 5P	
CNP609 *	1-564-506-11	PLUG, CONNECTOR 3P	
CNP612 *	1-564-519-11	PLUG, CONNECTOR 4P	
CNP613 *	1-564-506-11	PLUG, CONNECTOR 3P	
CNP614 *	1-564-506-11	PLUG, CONNECTOR 3P	
CNP615 *	1-564-338-00	PIN, CONNECTOR 4P	
CNP701 *	1-564-242-00	PIN, CONNECTOR 5P	
CNP702 *	1-564-506-11	PLUG, CONNECTOR 3P	
CNP709 *	1-564-242-00	PIN, CONNECTOR 5P	
CNP710 *	1-564-674-11	PIN, CONNECTOR 8P	
CNP711 *	1-564-674-11	PIN, CONNECTOR 8P	
CNP907 *	1-564-687-11	PIN, CONNECTOR 3P (D2:E2/E3)	
CNP908 *	1-564-687-11	PIN, CONNECTOR 3P (D2:E2/E3)	
		< CIRCUIT BLOCK >	
CP601	⚠1-102-394-11	CERAMIC 0.01uF	250V
CP701	1-102-394-11	CERAMIC 0.01uF	250V
		< DIODE >	
D603	8-719-912-20	DIODE 1SS120	
D604	8-719-912-20	DIODE 1SS120	
D605	8-719-912-20	DIODE 1SS120	
D606	8-719-912-20	DIODE 1SS120	
D607	8-719-912-20	DIODE 1SS120	
D609	8-719-912-20	DIODE 1SS120	
D610	8-719-002-76	DIODE UZL-36H	
D614	8-719-200-82	DIODE 11ES2	
D615	8-719-912-20	DIODE 1SS120	
D616	8-719-912-20	DIODE 1SS120	
D617	8-719-025-03	DIODE RBA-402-SL	
D619	8-719-933-33	DIODE HZS6A1L	
D621	8-719-912-20	DIODE 1SS120	
D622	8-719-912-20	DIODE 1SS120	
D623	8-719-912-20	DIODE 1SS120	
D701	8-719-912-20	DIODE 1SS120	
D702	8-719-912-20	DIODE 1SS120	
D703	8-719-912-20	DIODE 1SS120	
D704	8-719-912-20	DIODE 1SS120	
D707	8-719-912-20	DIODE 1SS120	
D708	8-719-912-20	DIODE 1SS120	
D709	8-719-912-20	DIODE 1SS120	
D710	8-719-912-20	DIODE 1SS120	
D713	8-719-912-20	DIODE 1SS120	
D715	8-719-912-20	DIODE 1SS120	
D716	8-719-912-20	DIODE 1SS120	
D718	8-719-912-20	DIODE 1SS120	
D719	8-719-912-20	DIODE 1SS120	
D720	8-719-912-20	DIODE 1SS120	
D721	8-719-302-37	DIODE RBV-602	
D722	8-719-312-09	DIODE RBA-402	
D723	8-719-912-20	DIODE 1SS120	
D740	8-719-912-20	DIODE 1SS120	
D741	8-719-912-20	DIODE 1SS120	
D751	8-719-912-20	DIODE 1SS120	
D752	8-719-912-20	DIODE 1SS120	
D753	8-719-912-20	DIODE 1SS120	
D754	8-719-912-20	DIODE 1SS120	
D757	8-719-912-20	DIODE 1SS120	
D758	8-719-912-20	DIODE 1SS120	
D759	8-719-912-20	DIODE 1SS120	
D760	8-719-912-20	DIODE 1SS120	
D763	8-719-912-20	DIODE 1SS120	
D765	8-719-912-20	DIODE 1SS120	
D766	8-719-912-20	DIODE 1SS120	
D791	8-719-912-20	DIODE 1SS120	
		< FUSE >	
F601	⚠1-576-109-11	FUSE T5A	
F602	⚠1-576-109-11	FUSE T5A	
F603	⚠1-576-108-11	FUSE T4A	
F904	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) T4A	
F905	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) T4A	
		< IC >	
IC231	8-759-820-62	IC LB1639	
IC601	8-759-711-35	IC NJM4580D	
IC602	8-759-711-35	IC NJM4580D	
IC603	8-759-711-35	IC NJM4580D	

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN **SURROUND** **TRANSFORMER(1)** **SPEAKER** **MAIN SPEAKER**
VOLTAGE SELECTION **REGULATOR** **CENTER SP**

Ref.No.	Part No.	Description	Remark
IC604	8-759-711-35	IC NJM4580D	
IC605	8-759-805-14	IC LC7822	
IC606	8-759-805-14	IC LC7822	
IC607	8-759-711-35	IC NJM4580D	
IC608	8-759-805-13	IC LC7821	
IC609	8-759-710-73	IC NJM4580L	
IC610	8-759-710-73	IC NJM4580L	
IC611	8-759-824-12	IC LC7536	
IC613	8-759-059-13	IC uPD78134GF-040-3B9	
IC616	8-759-604-40	IC M5F78M15-L	
IC617	8-759-604-46	IC M5F79M15-L	
IC618	8-759-924-12	IC LM7805CT	
IC619	8-759-711-35	IC NJM4580D	
IC621	8-759-512-48	IC XR-1092	
IC701	8-749-921-85	IC STK-3122-3	
IC702	8-759-323-30	IC LM3875-2	
IC703	8-759-502-32	IC SI18752N	
IC704	8-759-502-32	IC SI18752N	
		< JACK >	
J601	1-691-260-11	JACK, PIN 6P (PHONO/CD/DAT)	
J602	1-691-260-11	JACK, PIN 6P (TAPE 1/DAT)	
J603	1-691-260-11	JACK, PIN 6P (VIDEO 2, LD)	
J604	1-573-520-11	JACK, PIN 4P (TAPE 2)	
J605	1-566-819-31	JACK 1P (DRLC)	
J703	1-573-203-11	JACK, LARGE TYPE (HEADPHONS)	
		< COIL >	
L601	1-410-521-11	INDUCTOR 100uH	
L701 *	1-420-872-00	COIL, AIR CORE	
L751 *	1-420-872-00	COIL, AIR CORE	
		< TRANSISTOR >	
Q142	8-729-900-61	TRANSISTOR DTA114ES	
Q601	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q612	8-729-209-15	TRANSISTOR 2SD2012	
Q615	8-729-900-80	TRANSISTOR DTC114ES	
Q616	8-729-900-61	TRANSISTOR DTA114ES	
Q617	8-729-900-61	TRANSISTOR DTA114ES	
Q618	8-729-900-80	TRANSISTOR DTC114ES	
Q619	8-729-900-61	TRANSISTOR DTA114ES	
Q620	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q621	8-729-900-61	TRANSISTOR DTA114ES	
Q622	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q670	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q702	8-729-320-82	TRANSISTOR 2SC2922-0Y	
Q704	8-729-141-46	TRANSISTOR 2SC4431-LK	
Q705	8-729-209-15	TRANSISTOR 2SD2012	

Ref.No.	Part No.	Description	Remark
Q708	8-729-141-37	TRANSISTOR 2SA1684-LK	
Q709	8-729-320-74	TRANSISTOR 2SA1216-0Y	
Q711	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q712	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q713	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q714	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q715	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q716	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q740	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q741	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q752	8-729-320-82	TRANSISTOR 2SC2922-0Y	
Q754	8-729-141-46	TRANSISTOR 2SC4431-LK	
Q755	8-729-209-15	TRANSISTOR 2SD2012	
Q758	8-729-141-37	TRANSISTOR 2SA1684-LK	
Q759	8-729-320-74	TRANSISTOR 2SA1216-0Y	
Q767	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q768	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q791	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
		< RESISTOR >	
R149	1-249-441-11	CARBON 100K 5% 1/4W	
R159	1-249-441-11	CARBON 100K 5% 1/4W	
R175	1-249-441-11	CARBON 100K 5% 1/4W	
R176	1-249-441-11	CARBON 100K 5% 1/4W	
R324	1-249-441-11	CARBON 100K 5% 1/4W	
R374	1-249-441-11	CARBON 100K 5% 1/4W	
R600	1-249-407-11	CARBON 150 5% 1/4W	
R601	1-249-411-11	CARBON 330 5% 1/4W	
R602	1-249-441-11	CARBON 100K 5% 1/4W	
R603	1-249-441-11	CARBON 100K 5% 1/4W	
R604	1-249-417-11	CARBON 1K 5% 1/4W	
R605	1-247-897-11	CARBON 560K 5% 1/4W	
R606	1-249-437-11	CARBON 47K 5% 1/4W	
R607	1-247-903-00	CARBON 1M 5% 1/4W	
R608	1-249-409-11	CARBON 220 5% 1/4W	
R609	1-249-409-11	CARBON 220 5% 1/4W	
R610	1-249-438-11	CARBON 56K 5% 1/4W	
R611	1-249-409-11	CARBON 220 5% 1/4W	
R612	1-249-438-11	CARBON 56K 5% 1/4W	
R613	1-249-417-11	CARBON 1K 5% 1/4W	
R614	1-249-417-11	CARBON 1K 5% 1/4W	
R615	1-249-417-11	CARBON 1K 5% 1/4W	
R618	1-249-426-11	CARBON 5.6K 5% 1/4W	
R619	1-249-423-11	CARBON 3.3K 5% 1/4W	
R620	1-249-441-11	CARBON 100K 5% 1/4W	
R621	1-249-417-11	CARBON 1K 5% 1/4W	
R622	1-249-405-11	CARBON 100 5% 1/4W	
R625	1-247-887-00	CARBON 220K 5% 1/4W	
R626	1-249-397-11	CARBON 22 5% 1/4W	

MAIN | SURROUND | TRANSFORMER(1) | SPEAKER | MAIN SPEAKER | VOLTAGE SELECTION | REGULATOR | CENTER SP

Ref.No.	Part No.	Description				Remark
R631	1-249-425-11	CARBON	4.7K	5%	1/4W	
R640	⚠1-215-907-11	METAL OXIDE	22	5%	3W	F
R641	1-249-429-11	CARBON	10K	5%	1/4W	
R642	1-249-429-11	CARBON	10K	5%	1/4W	
R643	1-249-429-11	CARBON	10K	5%	1/4W	
R644	1-249-417-11	CARBON	1K	5%	1/4W	
R645	1-249-426-11	CARBON	5.6K	5%	1/4W	
R646	1-249-417-11	CARBON	1K	5%	1/4W	
R647	1-249-417-11	CARBON	1K	5%	1/4W	
R648	1-249-417-11	CARBON	1K	5%	1/4W	
R649	1-249-441-11	CARBON	100K	5%	1/4W	
R650	1-249-429-11	CARBON	10K	5%	1/4W	
R651	1-249-411-11	CARBON	330	5%	1/4W	
R652	1-249-441-11	CARBON	100K	5%	1/4W	
R653	1-249-441-11	CARBON	100K	5%	1/4W	
R654	1-249-417-11	CARBON	1K	5%	1/4W	
R655	1-247-897-11	CARBON	560K	5%	1/4W	
R656	1-249-437-11	CARBON	47K	5%	1/4W	
R657	1-247-903-00	CARBON	1M	5%	1/4W	
R658	1-249-409-11	CARBON	220	5%	1/4W	
R659	1-249-409-11	CARBON	220	5%	1/4W	
R660	1-249-438-11	CARBON	56K	5%	1/4W	
R661	1-249-409-11	CARBON	220	5%	1/4W	
R662	1-249-438-11	CARBON	56K	5%	1/4W	
R663	1-249-417-11	CARBON	1K	5%	1/4W	
R664	1-249-417-11	CARBON	1K	5%	1/4W	
R665	1-249-417-11	CARBON	1K	5%	1/4W	
R668	1-249-426-11	CARBON	5.6K	5%	1/4W	
R670	1-249-441-11	CARBON	100K	5%	1/4W	
R671	1-249-417-11	CARBON	1K	5%	1/4W	
R672	1-249-405-11	CARBON	100	5%	1/4W	
R674	1-249-429-11	CARBON	10K	5%	1/4W	
R675	1-247-887-00	CARBON	220K	5%	1/4W	
R678	1-249-433-11	CARBON	22K	5%	1/4W	
R679	1-249-410-11	CARBON	270	5%	1/4W	
R680	1-249-427-11	CARBON	6.8K	5%	1/4W	
R681	1-249-441-11	CARBON	100K	5%	1/4W	
R682	1-249-441-11	CARBON	100K	5%	1/4W	
R683	1-249-441-11	CARBON	100K	5%	1/4W	
R684	1-249-441-11	CARBON	100K	5%	1/4W	
R685	1-249-441-11	CARBON	100K	5%	1/4W	
R686	1-249-441-11	CARBON	100K	5%	1/4W	
R687	⚠1-215-907-11	METAL OXIDE	22	5%	3W	F
R688	1-249-393-11	CARBON	10	5%	1/4W	
R689	1-249-441-11	CARBON	100K	5%	1/4W	
R690	1-249-429-11	CARBON	10K	5%	1/4W	
R691	1-249-425-11	CARBON	4.7K	5%	1/4W	
R692	1-249-393-11	CARBON	10	5%	1/4W	
R693	1-249-425-11	CARBON	4.7K	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R694	1-249-417-11	CARBON	1K	5%	1/4W	
R695	1-249-402-11	CARBON	56	5%	1/4W	
R696	1-249-417-11	CARBON	1K	5%	1/4W	
R697	1-249-417-11	CARBON	1K	5%	1/4W	
R698	1-249-417-11	CARBON	1K	5%	1/4W	
R699	1-249-441-11	CARBON	100K	5%	1/4W	
R701	1-249-417-11	CARBON	1K	5%	1/4W	
R703	1-249-441-11	CARBON	100K	5%	1/4W	
R704	1-249-413-11	CARBON	470	5%	1/4W	
R705	1-249-441-11	CARBON	100K	5%	1/4W	
R706	1-249-415-11	CARBON	680	5%	1/4W	
R707	⚠1-249-405-11	CARBON	100	5%	1/4W	
R708	1-249-422-11	CARBON	2.7K	5%	1/4W	
R709	1-249-417-11	CARBON	1K	5%	1/4W	
R710	⚠1-249-405-11	CARBON	100	5%	1/4W	
R711	1-249-441-11	CARBON	100K	5%	1/4W	
R712	1-249-421-11	CARBON	2.2K	5%	1/4W	
R713	1-249-409-11	CARBON	220	5%	1/4W	
R714	⚠1-247-739-11	CARBON	100	5%	1/2W	
R715	⚠1-247-688-11	CARBON	10	5%	1/4W	
R716	1-249-441-11	CARBON	100K	5%	1/4W	
R717	⚠1-214-789-00	RES, METAL PLATE	0.1			
R718	⚠1-214-789-00	RES, METAL PLATE	0.1			
R719	⚠1-247-688-11	CARBON	10	5%	1/4W	
R720	1-249-417-11	CARBON	1K	5%	1/4W	
R721	1-249-431-11	CARBON	15K	5%	1/4W	
R722	⚠1-217-151-00	RES, METAL PLATE	0.22			
R723	1-249-419-11	CARBON	1.5K	5%	1/4W	
R724	⚠1-249-393-11	CARBON	10	5%	1/4W	
R725	1-249-417-11	CARBON	1K	5%	1/4W	
R726	1-249-409-11	CARBON	220	5%	1/4W	
R727	1-249-431-11	CARBON	15K	5%	1/4W	
R728	1-249-431-11	CARBON	15K	5%	1/4W	
R729	1-249-482-11	CARBON	4.7	5%	1/2W	
R730	1-247-727-11	CARBON	10	5%	1/2W	
R731	1-249-429-11	CARBON	10K	5%	1/4W	
R732	1-249-436-11	CARBON	39K	5%	1/4W	
R733	1-249-437-11	CARBON	47K	5%	1/4W	
R734	1-249-417-11	CARBON	1K	5%	1/4W	
R735	1-249-438-11	CARBON	56K	5%	1/4W	
R736	⚠1-215-869-11	METAL OXIDE	1K	5%	1W	F
R737	⚠1-247-696-11	CARBON	47	5%	1/4W	
R741	1-249-441-11	CARBON	100K	5%	1/4W	
R742	1-249-421-11	CARBON	2.2K	5%	1/4W	
R743	1-249-441-11	CARBON	100K	5%	1/4W	
R744	1-249-417-11	CARBON	1K	5%	1/4W	
R745	1-249-431-11	CARBON	15K	5%	1/4W	
R746	⚠1-217-151-00	RES, METAL PLATE	0.22			
R747	1-249-438-11	CARBON	56K	5%	1/4W	

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN **SURROUND** **TRANSFORMER(1)** **SPEAKER** **MAIN SPEAKER**
VOLTAGE SELECTION **REGULATOR** **CENTER SP**
DISPLAY **TUNER** **POWER SUPPLY** **TRANSFORMER(2)**

Ref.No.	Part No.	Description			Remark
R748	⚠1-249-393-11	CARBON	10	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W
R753	1-249-441-11	CARBON	100K	5%	1/4W
R754	1-249-413-11	CARBON	470	5%	1/4W
R755	1-249-441-11	CARBON	100K	5%	1/4W
R756	1-249-415-11	CARBON	680	5%	1/4W
R757	⚠1-249-405-11	CARBON	100	5%	1/4W
R758	1-249-422-11	CARBON	2.7K	5%	1/4W
R759	1-249-417-11	CARBON	1K	5%	1/4W
R760	⚠1-249-405-11	CARBON	100	5%	1/4W
R761	1-249-438-11	CARBON	56K	5%	1/4W
R764	⚠1-247-739-11	CARBON	100	5%	1/2W
R765	⚠1-247-688-11	CARBON	10	5%	1/4W
R767	⚠1-214-789-00	RES, METAL PLATE		0.1	
R768	⚠1-214-789-00	RES, METAL PLATE		0.1	
R769	⚠1-247-688-11	CARBON	10	5%	1/4W
R773	1-249-419-11	CARBON	1.5K	5%	1/4W
R775	1-249-417-11	CARBON	1K	5%	1/4W
R776	1-249-409-11	CARBON	220	5%	1/4W
R777	1-249-431-11	CARBON	15K	5%	1/4W
R778	1-249-431-11	CARBON	15K	5%	1/4W
R779	1-249-482-11	CARBON	4.7	5%	1/2W
R780	1-247-727-11	CARBON	10	5%	1/2W
R781	1-249-441-11	CARBON	100K	5%	1/4W
R782	1-249-441-11	CARBON	100K	5%	1/4W
R783	1-247-704-11	CARBON	220	5%	1/4W
R785	1-249-437-11	CARBON	47K	5%	1/4W
R786	⚠1-215-869-11	METAL OXIDE	1K	5%	1W F
R787	⚠1-247-696-11	CARBON	47	5%	1/4W
R791	1-249-441-11	CARBON	100K	5%	1/4W
R792	1-249-421-11	CARBON	2.2K	5%	1/4W
R793	1-249-441-11	CARBON	100K	5%	1/4W
R794	1-249-417-11	CARBON	1K	5%	1/4W
R795	1-249-431-11	CARBON	15K	5%	1/4W
R796	⚠1-217-151-00	RES, METAL PLATE		0.22	
R797	1-249-437-11	CARBON	47K	5%	1/4W
R798	⚠1-249-393-11	CARBON	10	5%	1/4W
R867	1-249-429-11	CARBON	10K	5%	1/4W
R868	1-249-429-11	CARBON	10K	5%	1/4W
R869	1-249-429-11	CARBON	10K	5%	1/4W
R875	1-249-441-11	CARBON	100K	5%	1/4W
R876	1-249-441-11	CARBON	100K	5%	1/4W
R877	1-249-441-11	CARBON	100K	5%	1/4W
R878	1-249-441-11	CARBON	100K	5%	1/4W
R881	1-249-441-11	CARBON	100K	5%	1/4W
R882	1-249-441-11	CARBON	100K	5%	1/4W
R883	1-249-441-11	CARBON	100K	5%	1/4W
R884	1-249-441-11	CARBON	100K	5%	1/4W
R885	1-249-441-11	CARBON	100K	5%	1/4W
R886	1-249-441-11	CARBON	100K	5%	1/4W
R6001	1-249-409-11	CARBON	220	5%	1/4W
R6002	1-249-438-11	CARBON	56K	5%	1/4W
R6003	1-249-429-11	CARBON	10K	5%	1/4W
R6051	1-249-409-11	CARBON	220	5%	1/4W
R6052	1-249-438-11	CARBON	56K	5%	1/4W

< VARIABLE RESISTOR >

RT701	1-238-597-11	RES, ADJ, CARBON 1K (BIAS)
RT751	1-238-597-11	RES, ADJ, CARBON 1K (BIAS)

< RELAY >

RY601	1-515-726-11	RELAY
RY701	1-515-356-00	RELAY

< SWITCH >

S701	1-572-911-11	SWITCH, ROTARY SLIDE (SPEAKERS)

< TERMINAL >

TM701	1-537-235-11	TERMINAL BOARD (SP) (FRONT SPEAKER)
TM703 *	1-537-240-21	TERMINAL BOARD (CHECKER PIN) (CENTER SPEAKER)

< CONNECTOR >

TP701 *	1-560-062-00	PIN, CONNECTOR 4P

< VOLTAGE SWITCH >

VS901	⚠1-571-437-11	SWITCH, POWER VOLTAGE CHANGE (D2:E2, E3)

****

*	A-4345-775-A	DISPLAY BOARD, COMPLETE(D3)
		**********
*	A-4347-298-A	DISPLAY BOARD, COMPLETE(D2)
		**********
*	A-4345-777-A	TUNER BOARD, COMPLETE
		**********
*	A-4345-778-A	POWER SUPPLY BOARD, COMPLETE
		**********
		(included MOTOR VOLUME BOARD)
		(D3/D2:US, Canadian)
*	A-4347-028-A	POWER SUPPLY BOARD, COMPLETE (D2:E2, E3)
		**********
*	1-641-881-11	TRANSFORMER TERMINAL2 BOARD
		**********
		(D3/D2:US, Canadian)
*	1-641-885-11	TRANSFORMER TERMINAL2 BOARD (D2:E2, E3)
		**********

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

DISPLAY | TUNER | POWER SUPPLY | TRANSFORMER(2)

Ref.No.	Part No.	Description			Remark
	* 1-533-213-31	HOLDER, FUSE			
	* 3-309-144-21	HEAT SINK			
	* 3-346-266-12	PLATE, GROUND			
	4-938-529-01	HOLDER, FL TUBE			
	* 4-945-958-01	COVER, LAMP			
	7-682-548-04	SCREW +BVTT 3X8 (S)			
		< BASE POST >			
BP901	* 1-535-140-00	BASE POST 22MM (10MM PITCH)	3P		(D2:E2,E3)
BP902	* 1-535-140-00	BASE POST 22MM (10MM PITCH)	3P		(D2:E2,E3)
BP903	1-535-139-00	BASE POST 22MM (10MM PITCH)	2P		
		< CAPACITOR >			
C001	1-164-159-11	CERAMIC	0.1uF		50V
C002	1-124-907-11	ELECT	10uF	20%	50V
C003	1-164-159-11	CERAMIC	0.1uF		50V
C005	1-164-159-11	CERAMIC	0.1uF		50V
C006	1-124-477-11	ELECT	47uF	20%	25V
C011	1-164-159-11	CERAMIC	0.1uF		50V
C012	1-164-159-11	CERAMIC	0.1uF		50V
C013	1-164-159-11	CERAMIC	0.1uF		50V
C014	1-124-477-11	ELECT	47uF	20%	25V
C015	1-161-379-00	CERAMIC	0.01uF	20%	25V
C016	1-124-903-11	ELECT	1uF	20%	50V
C017	1-162-211-31	CERAMIC	33PF	5%	50V
C021	1-161-379-00	CERAMIC	0.01uF	20%	25V
C024	1-164-159-11	CERAMIC	0.1uF		50V
C025	1-124-907-11	ELECT	10uF	20%	50V
C026	1-124-927-11	ELECT	4.7uF	20%	100V
C027	1-124-927-11	ELECT	4.7uF	20%	100V
C028	1-164-159-11	CERAMIC	0.1uF		50V
C030	1-124-927-11	ELECT	4.7uF	20%	100V
C031	1-136-161-00	FILM	0.047uF	5%	50V
C032	1-164-159-11	CERAMIC	0.1uF		50V
C033	1-136-155-00	FILM	0.015uF	5%	50V
C034	1-124-907-11	ELECT	10uF	20%	50V
C035	1-162-288-31	CERAMIC	330PF	10%	50V
C036	1-136-161-00	FILM	0.047uF	5%	50V
C037	1-124-907-11	ELECT	10uF	20%	50V
C038	1-130-468-00	MYLAR	560PF	5%	50V
C039	1-130-468-00	MYLAR	560PF	5%	50V
C040	1-124-903-11	ELECT	1uF	20%	50V
C041	1-124-907-11	ELECT	10uF	20%	50V
C042	1-124-907-11	ELECT.	10uF	20%	50V
C044	1-124-477-11	ELECT	47uF	20%	25V
C045	1-124-902-00	ELECT	0.47uF	20%	50V
C046	1-124-903-11	ELECT	1uF	20%	50V

Ref.No.	Part No.	Description			Remark
C047	1-124-903-11	ELECT	1uF	20%	50V
C048	1-124-903-11	ELECT	1uF	20%	50V
C051	1-164-159-11	CERAMIC	0.1uF		50V
C052	1-161-379-00	CERAMIC	0.01uF	20%	25V
C053	1-124-925-11	ELECT	2.2uF	20%	100V
C054	1-124-907-11	ELECT	10uF	20%	50V
C055	1-164-159-11	CERAMIC	0.1uF		50V
C056	1-161-379-00	CERAMIC	0.01uF	20%	25V
C057	1-162-207-31	CERAMIC	22PF	5%	50V
C058	1-124-907-11	ELECT	10uF	20%	50V
C059	1-161-379-00	CERAMIC	0.01uF	20%	25V
C060	1-164-159-11	CERAMIC	0.1uF		50V
C061	1-162-206-31	CERAMIC	20PF	5%	50V
C062	1-162-206-31	CERAMIC	20PF	5%	50V
C201	1-164-159-11	CERAMIC	0.1uF		50V
C202	1-124-477-11	ELECT	47uF	20%	25V
C203	1-164-159-11	CERAMIC	0.1uF		50V
C204	1-124-907-11	ELECT	10uF	20%	50V
C208	1-164-159-11	CERAMIC	0.1uF		50V
C209	1-162-210-31	CERAMIC	30PF	5%	50V
C210	1-162-210-31	CERAMIC	30PF	5%	50V
C212	1-164-159-11	CERAMIC	0.1uF		50V
C213	1-161-494-00	CERAMIC	0.022uF		25V
C214	1-161-494-00	CERAMIC	0.022uF		25V
C215	1-161-494-00	CERAMIC	0.022uF		25V
C216	1-164-159-11	CERAMIC	0.1uF		50V
C218	1-164-159-11	CERAMIC	0.1uF		50V
C219	1-164-159-11	CERAMIC	0.1uF		50V
C220	1-164-159-11	CERAMIC	0.1uF		50V
C240	1-124-907-11	ELECT	10uF	20%	50V
C241	1-124-907-11	ELECT	10uF	20%	50V
C242	1-124-903-11	ELECT	1uF	20%	50V
C243	1-124-903-11	ELECT	1uF	20%	50V
C244	1-164-159-11	CERAMIC	0.1uF		50V
C245	1-124-907-11	ELECT	10uF	20%	50V
C246	1-124-477-11	ELECT	47uF	20%	25V
C290	1-124-907-11	ELECT	10uF	20%	50V
C804	1-124-557-11	ELECT	1000uF	20%	25V
C805	1-124-477-11	ELECT	47uF	20%	25V
C806	1-124-903-11	ELECT	1uF	20%	50V
C807	1-124-907-11	ELECT	10uF	20%	50V
C808	1-124-464-11	ELECT	0.22uF	20%	50V
C809	1-106-367-00	MYLAR	0.01uF	5%	200V
C810	1-106-367-00	MYLAR	0.01uF	5%	200V
C901	1-161-744-00	CERAMIC	0.01uF		400V
		< FILTER >			
CF001	1-567-393-11	FILTER, CERAMIC			
CF002	1-567-393-11	FILTER, CERAMIC			

DISPLAY | TUNER | POWER SUPPLY | TRANSFORMER(2)

Ref.No.	Part No.	Description	Remark
CF003	1-567-250-11	OSCILLATOR, CERAMIC	
CF004	1-527-981-00	FILTER, CERAMIC	
CF201	1-567-797-11	VIBRATOR, CERAMIC	
CFT001	1-404-713-11	TRANSFORMER, IF	
		< CONNECTOR >	
CNJ001 *	1-568-830-11	SOCKET, CONNECTOR 11P	
CNJ201 *	1-568-864-11	SOCKET, CONNECTOR 21P	
CNJ202 *	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P	
CNJ240 *	1-568-826-11	SOCKET, CONNECTOR 7P	
CNJ241 *	1-568-826-11	SOCKET, CONNECTOR 7P	
CNJ242 *	1-568-824-11	SOCKET, CONNECTOR 5P	
CNJ901	1-540-060-11	OUTLET, AC (POLAR)	
CNP201 *	1-564-496-11	PIN, CONNECTOR 3P	
CNP240 *	1-564-507-11	PLUG, CONNECTOR 4P	
CNP241 *	1-564-506-11	PLUG, CONNECTOR 3P	
CNP242 *	1-564-505-11	PLUG, CONNECTOR 2P	
CNP801 *	1-564-338-61	PIN, CONNECTOR 4P	
CNP903 *	1-564-321-00	PIN, CONNECTOR 2P	
CNP904 *	1-564-496-11	PIN, CONNECTOR 3P	
CNP905 *	1-564-687-11	PIN, CONNECTOR 3P (D2:E2,E3)	
CNP906 *	1-564-687-11	PIN, CONNECTOR 3P (D2:E2,E3)	
		< DIODE >	
D001	8-719-912-20	DIODE 1SS120	
D002	8-719-912-20	DIODE 1SS120	
D003	8-719-301-38	LED SEL2210S-C	
D004	8-719-912-20	DIODE 1SS120	
D201	8-719-912-20	DIODE 1SS120	
D202	8-719-912-20	DIODE 1SS120	
D203	8-719-301-56	DIODE SEL2813A-D (SURR)	
D204	8-719-301-56	DIODE SEL2813A-D (EQ)	
D205	8-719-301-56	DIODE SEL2813A-D (DDS)	
D206	8-719-301-56	DIODE SEL2813A-D (INDEX)	
D207	8-719-313-72	LED SEL3810A (48)	
D208	8-719-313-72	LED SEL3810A (44.1)	
D209	8-719-313-72	LED SEL3810A (32)	
D210	8-719-313-72	LED SEL3810A (D3) (TITLE ON)	
D211	8-719-313-72	LED SEL3810A (D3) (ON SCREEN)	
D213	8-719-301-49	LED SEL2810A (MONITOR)	
D214	8-719-301-52	LED SEL2810A-C (DRLC/POWER)	
D215	8-719-301-52	LED SEL2810A-C (DRLC/POWER)	
D219	8-719-912-20	DIODE 1SS120	
D221	8-719-912-20	DIODE 1SS120	
D222	8-719-014-82	DIODE UZP-6.8B	
D223	8-719-912-20	DIODE 1SS120	
D240	8-719-912-20	DIODE 1SS120	
D241	8-719-912-20	DIODE 1SS120	
D802	8-719-912-20	DIODE 1SS120	

Ref.No.	Part No.	Description	Remark
D807	8-719-000-06	DIODE MC921	
D808	8-719-933-41	DIODE HZS6C3L	
D809	8-719-933-41	DIODE HZS6C3L	
D810	8-719-914-11	DIODE HZ4ALL	
D815	8-719-200-82	DIODE 11ES2	
D816	8-719-200-82	DIODE 11ES2	
D817	8-719-200-82	DIODE 11ES2	
D818	8-719-200-82	DIODE 11ES2	
		< FUSE >	
F901	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) T4A	
F901	⚠1-576-108-11	FUSE (D2/D3:US, Canadian) T4A	
F902	⚠1-532-749-11	FUSE, GLASS TUBE (D3/D2:US, Canadian) T8A	
F903	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) T4A	
		< FRONT END >	
FE001	1-463-862-21	FRONT END, FM	
FE002	1-236-461-11	ENCAPSULATED COMPONENT	
		< FILTER >	
FL201	1-519-683-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC001	8-759-804-55	IC LA1266	
IC002	8-759-801-80	IC LA3401	
IC003	8-759-820-91	IC LC7218	
IC201	8-759-990-38	IC MSC1162GS	
IC202	8-759-990-38	IC MSC1162GS	
IC203	8-759-047-58	IC uPD78238GC-205-3B9	
IC204	8-749-922-36	IC GP1U50XB	
IC240	8-759-710-73	IC NJM4580L	
IC241	8-759-634-51	IC M5218AP	
		< COIL >	
L001	1-410-509-11	INDUCTOR 10uH	
L002	1-410-171-11	INDUCTOR 1mH	
L003	1-410-509-11	INDUCTOR 10uH	
		< FILTER >	
LPF001	1-235-164-00	FILTER, LOW PASS	
LPF002	1-235-164-00	FILTER, LOW PASS	
		< TRANSISTOR >	
Q001	8-729-620-19	TRANSISTOR 2SC2724-CD	
Q002	8-729-620-19	TRANSISTOR 2SC2724-CD	
Q003	8-729-900-61	TRANSISTOR DTA114ES	
Q004	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q005	8-729-900-80	TRANSISTOR DTC114ES	

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DISPLAY | TUNER | POWER SUPPLY | TRANSFORMER(2)

Ref.No.	Part No.	Description	Remark
Q006	8-729-202-67	TRANSISTOR 2SK246-GR3	
Q007	8-729-201-84	TRANSISTOR 2SC3112-B	
Q201	8-729-900-61	TRANSISTOR DTA114ES	
Q202	8-729-900-80	TRANSISTOR DTC114ES	
Q240	8-729-900-80	TRANSISTOR DTC114ES	
Q801	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q802	8-729-209-15	TRANSISTOR 2SD2012	
Q803	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q804	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q805	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q806	8-729-620-05	TRANSISTOR 2SC2603-EF	
		< RESISTOR >	
R001	1-249-411-11	CARBON 330 5% 1/4W	
R002	1-249-401-11	CARBON 47 5% 1/4W	
R003	1-249-411-11	CARBON 330 5% 1/4W	
R004	1-249-415-11	CARBON 680 5% 1/4W	
R005	1-249-431-11	CARBON 15K 5% 1/4W	
R006	1-249-411-11	CARBON 330 5% 1/4W	
R007	1-249-434-11	CARBON 27K 5% 1/4W	
R008	1-249-406-11	CARBON 120 5% 1/4W	
R016	1-249-431-11	CARBON 15K 5% 1/4W	
R017	1-249-423-11	CARBON 3.3K 5% 1/4W	
R018	1-249-406-11	CARBON 120 5% 1/4W	
R021	1-249-429-11	CARBON 10K 5% 1/4W	
R022	1-249-437-11	CARBON 47K 5% 1/4W	
R023	1-249-402-11	CARBON 56 5% 1/4W	
R024	1-249-430-11	CARBON 12K 5% 1/4W	
R025	1-249-421-11	CARBON 2.2K 5% 1/4W	
R026	1-249-429-11	CARBON 10K 5% 1/4W	
R027	1-249-429-11	CARBON 10K 5% 1/4W	
R028	1-249-404-00	CARBON 82 5% 1/4W	
R029	1-249-423-11	CARBON 3.3K 5% 1/4W	
R032	1-249-438-11	CARBON 56K 5% 1/4W	
R033	1-247-881-00	CARBON 120K 5% 1/4W	
R034	1-247-883-00	CARBON 150K 5% 1/4W	
R035	1-247-881-00	CARBON 120K 5% 1/4W	
R036	1-247-883-00	CARBON 150K 5% 1/4W	
R037	1-249-423-11	CARBON 3.3K 5% 1/4W	
R038	1-249-423-11	CARBON 3.3K 5% 1/4W	
R041	1-249-425-11	CARBON 4.7K 5% 1/4W	
R042	1-249-425-11	CARBON 4.7K 5% 1/4W	
R043	1-249-406-11	CARBON 120 5% 1/4W	
R044	1-249-423-11	CARBON 3.3K 5% 1/4W	
R045	1-249-414-11	CARBON 560 5% 1/4W	
R046	1-249-429-11	CARBON 10K 5% 1/4W	
R047	1-249-433-11	CARBON 22K 5% 1/4W	
R049	1-249-438-11	CARBON 56K 5% 1/4W	

Ref.No.	Part No.	Description	Remark
R051	1-249-417-11	CARBON 1K 5% 1/4W	
R052	1-249-417-11	CARBON 1K 5% 1/4W	
R053	1-249-417-11	CARBON 1K 5% 1/4W	
R055	1-249-417-11	CARBON 1K 5% 1/4W	
R056	1-249-405-11	CARBON 100 5% 1/4W	
R057	1-249-425-11	CARBON 4.7K 5% 1/4W	
R058	1-249-425-11	CARBON 4.7K 5% 1/4W	
R059	1-249-421-11	CARBON 2.2K 5% 1/4W	
R060	1-249-414-11	CARBON 560 5% 1/4W	
R061	1-249-417-11	CARBON 1K 5% 1/4W	
R062	1-249-410-11	CARBON 270 5% 1/4W	
R063	1-249-425-11	CARBON 4.7K 5% 1/4W	
R064	1-249-423-11	CARBON 3.3K 5% 1/4W	
R065	1-249-406-11	CARBON 120 5% 1/4W	
R066	1-249-417-11	CARBON 1K 5% 1/4W	
R067	1-249-429-11	CARBON 10K 5% 1/4W	
R068	1-249-429-11	CARBON 10K 5% 1/4W	
R069	1-249-429-11	CARBON 10K 5% 1/4W	
R071	1-249-429-11	CARBON 10K 5% 1/4W	
R201	1-249-433-11	CARBON 22K 5% 1/4W	
R202	1-249-429-11	CARBON 10K 5% 1/4W	
R203	1-249-437-11	CARBON 47K 5% 1/4W	
R204	1-249-433-11	CARBON 22K 5% 1/4W	
R205	1-249-411-11	CARBON 330 5% 1/4W	
R210	1-249-411-11	CARBON 330 5% 1/4W	
R214	1-249-411-11	CARBON 330 5% 1/4W	
R216	1-249-404-00	CARBON 82 5% 1/4W	
R218	1-249-405-11	CARBON 100 5% 1/4W	
R219	1-249-433-11	CARBON 22K 5% 1/4W	
R220	1-249-433-11	CARBON 22K 5% 1/4W	
R221	1-249-433-11	CARBON 22K 5% 1/4W	
R222	1-249-433-11	CARBON 22K 5% 1/4W	
R223	1-249-433-11	CARBON 22K 5% 1/4W	
R224	1-249-433-11	CARBON 22K 5% 1/4W	
R225	1-249-433-11	CARBON 22K 5% 1/4W	
R226	1-249-433-11	CARBON 22K 5% 1/4W	
R227	⚠1-249-447-11	CARBON 1 5% 1/4W	
R228	⚠1-249-447-11	CARBON 1 5% 1/4W	
R229	1-249-411-11	CARBON 330 5% 1/4W (D3)	
R229	1-249-433-11	CARBON 22K 5% 1/4W (D2)	
R230	1-249-411-11	CARBON 330 5% 1/4W (D3)	
R231	1-249-433-11	CARBON 22K 5% 1/4W	
R232	1-249-433-11	CARBON 22K 5% 1/4W	
R233	1-249-411-11	CARBON 330 5% 1/4W	
R240	1-249-441-11	CARBON 100K 5% 1/4W	
R241	1-249-418-11	CARBON 1.2K 5% 1/4W	
R242	1-249-433-11	CARBON 22K 5% 1/4W	
R243	1-249-438-11	CARBON 56K 5% 1/4W	
R244	1-249-437-11	CARBON 47K 5% 1/4W	

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DISPLAY | TUNER | POWER SUPPLY | TRANSFORMER(2)

Ref.No.	Part No.	Description			Remark
R245	1-249-418-11	CARBON	1.2K	5%	1/4W
R246	1-247-887-00	CARBON	220K	5%	1/4W
R247	1-249-421-11	CARBON	2.2K	5%	1/4W
R248	1-249-405-11	CARBON	100	5%	1/4W
R249	1-249-433-11	CARBON	22K	5%	1/4W
R250	1-249-420-11	CARBON	1.8K	5%	1/4W
R290	1-249-441-11	CARBON	100K	5%	1/4W
R291	1-249-418-11	CARBON	1.2K	5%	1/4W
R292	1-249-433-11	CARBON	22K	5%	1/4W
R801	1-249-425-11	CARBON	4.7K	5%	1/4W
R802	1-249-396-11	CARBON	18	5%	1/6W
R803	1-249-417-11	CARBON	1K	5%	1/4W
R804	1-249-436-11	CARBON	39K	5%	1/4W
R805	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-249-426-11	CARBON	5.6K	5%	1/4W
R807	1-249-429-11	CARBON	10K	5%	1/4W
R808	1-249-426-11	CARBON	5.6K	5%	1/4W
R809	1-249-417-11	CARBON	1K	5%	1/4W
R812	1-249-417-11	CARBON	1K	5%	1/4W
R813	1-249-429-11	CARBON	10K	5%	1/4W
R901	1-202-725-00	SOLID	3.3M	10%	1/2W
		< VARIABLE RESISTOR >			
RT001	1-238-601-11	RES, ADJ, CARBON 22K (AM TUNED)			
RT002	1-238-601-11	RES, ADJ, CARBON 22K (AUTO STOP)			
RT003	1-238-602-11	RES, ADJ, CARBON 47K (FM STEREO SEPARATION)			
RT004	1-238-604-11	RES, ADJ, CARBON 220K (FM SEP)			
		< VARIABLE RESISTOR >			
RV240	1-241-563-11	RES, VAR, CARBON 100KX4 (VOLUME)			
		< RELAY >			
RY901	1-515-701-11	RELAY			
		< SWITCH >			
S200	1-554-303-21	SWITCH, TACTILE (POWER)			
S201	1-554-303-21	SWITCH, TACTILE (MEMORY)			
S202	1-554-303-21	SWITCH, TACTILE (TUNER)			
S203	1-554-303-21	SWITCH, TACTILE (►)			
S204	1-554-303-21	SWITCH, TACTILE (VIDEO 2/LD)			
S205	1-554-303-21	SWITCH, TACTILE (D3) (ON/OFF)			
S206	1-554-303-21	SWITCH, TACTILE (2)			
S207	1-554-303-21	SWITCH, TACTILE (USER/PRESET)			
S208	1-554-303-21	SWITCH, TACTILE (+)			
S209	1-554-303-21	SWITCH, TACTILE (RAT)			
S210	1-554-303-21	SWITCH, TACTILE (DIRECT)			
S211	1-554-303-21	SWITCH, TACTILE (VIDEO 3)			

Ref.No.	Part No.	Description	Remark
S212	1-554-303-21	SWITCH, TACTILE (SLOPE)	
S213	1-554-303-21	SWITCH, TACTILE (6)	
S214	1-554-303-21	SWITCH, TACTILE (7)	
S215	1-554-303-21	SWITCH, TACTILE (-)	
S216	1-554-303-21	SWITCH, TACTILE (ON/OFF)	
S217	1-554-303-21	SWITCH, TACTILE (FREQ/INDEX)	
S218	1-554-303-21	SWITCH, TACTILE (TAPE 1)	
S219	1-554-303-21	SWITCH, TACTILE (BAND)	
S220	1-554-303-21	SWITCH, TACTILE (5)	
S221	1-554-303-21	SWITCH, TACTILE (8)	
S222	1-554-303-21	SWITCH, TACTILE (-)	
S223	1-554-303-21	SWITCH, TACTILE (MODE)	
S224	1-554-303-21	SWITCH, TACTILE (LEVEL)	
S225	1-554-303-21	SWITCH, TACTILE (DAT)	
S226	1-554-303-21	SWITCH, TACTILE (ON/OFF)	
S227	1-554-303-21	SWITCH, TACTILE (4)	
S228	1-554-303-21	SWITCH, TACTILE (9)	
S229	1-554-303-21	SWITCH, TACTILE (PGM)	
S230	1-554-303-21	SWITCH, TACTILE (PRP LOGIC)	
S231	1-554-303-21	SWITCH, TACTILE (+)	
S232	1-554-303-21	SWITCH, TACTILE (CD)	
S233	1-554-303-21	SWITCH, TACTILE (D3) (IN/OUT)	
S234	1-554-303-21	SWITCH, TACTILE (3)	
S235	1-554-303-21	SWITCH, TACTILE (0)	
S236	1-554-303-21	SWITCH, TACTILE (RECALL)	
S237	1-554-303-21	SWITCH, TACTILE (◄)	
S238	1-554-303-21	SWITCH, TACTILE (ON/OFF)	
S239	1-554-303-21	SWITCH, TACTILE (TAPE 2)	
S240	1-554-303-21	SWITCH, TACTILE (VIDEO)	
S241	1-572-184-11	SWITCH, KEYBOARD (DRLC/POWER)	
S243	1-554-303-21	SWITCH, TACTILE (FM/AM)	
S244	1-554-303-21	SWITCH, TACTILE (▲)	
S245	1-554-303-21	SWITCH, TACTILE (D3) (CURSOR MODE/TITLE MENU)	
S246	1-554-303-21	SWITCH, TACTILE (DIGITAL)	
S247	1-554-303-21	SWITCH, TACTILE (AUDIO)	
S248	1-554-303-21	SWITCH, TACTILE (SHIFT)	
S249	1-554-303-21	SWITCH, TACTILE (+)	
S250	1-554-303-21	SWITCH, TACTILE (FM MODE)	
S251	1-554-303-21	SWITCH, TACTILE (PHONO)	
S252	1-554-303-21	SWITCH, TACTILE (▲)	
S253	1-554-303-21	SWITCH, TACTILE (VIDEO 1)	
S254	1-554-303-21	SWITCH, TACTILE (D3) (ON/OFF)	
S255	1-554-303-21	SWITCH, TACTILE (1)	
S256	1-554-303-21	SWITCH, TACTILE (-)	
		< TRANSFORMER >	
T001	1-404-743-11	COIL, DISCRIMINATOR	
T002	1-404-742-11	COIL, DISCRIMINATOR	

DISPLAY | TUNER | POWER SUPPLY | TRANSFORMER(2) | DIGITAL (1) | DIGITAL (2) | SURROUND SP | VIDEO | VIDEO (3) | KEY | BALANCE VOLUME

Ref.No.	Part No.	Description	Remark
T901	⚠1-448-517-21	TRANSFORMER, POWER (D3/D2:US, Canadian)	
T901	⚠1-448-523-11	TRANSFORMER, POWER (D2:E2, E3)	
		< TERMINAL >	
TM001	* 1-562-907-11	CONNECTOR, F-J (ANTENNA)	
TM002	1-536-707-00	TERMINAL BOARD, PUSH 2P (ANTENNA)	
		< CONNECTOR >	
TP001	* 1-560-060-00	PIN, CONNECTOR 2P (NULL)	
		< VARISTOR >	
VZ901	⚠1-807-293-11	VARISTOR SNR-14A	
VZ902	⚠1-807-180-11	VARISTOR SNR-14A300K (D2:E2, E3)	
		< CRYSTAL >	
X001	1-567-826-21	VIBRATOR, CRYSTAL (7.2MHz)	

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* A-4345-779-A	DIGITAL (1) BOARD, COMPLETE		
	**********		
* A-4345-780-A	DIGITAL (2) BOARD, COMPLETE		
	**********		
* A-4345-783-A	SURROUND SP TM BOARD, COMPLETE		
	**********		
* A-4345-767-A	VIDEO BOARD, COMPLETE (D2)		
	**********		
* A-4345-785-A	VIDEO BOARD, COMPLETE (D3)		
	**********		
* A-4345-767-A	VIDEO BOARD, COMPLETE (D2)		
	**********		
* 1-641-891-11	VIDEO (3) BOARD		
	**********		
* 1-641-892-11	KEY BOARD		
	*********		
* 1-642-245-11	BALANCE VOLUME BOARD		
	**********		
	< CAPACITOR >		

C101	1-124-903-11	ELECT	1uF	20%	50V
C102	1-136-165-00	FILM	0.1uF	5%	50V
C103	1-124-903-11	ELECT	1uF	20%	50V
C104	1-136-165-00	FILM	0.1uF	5%	50V
C105	1-124-472-11	ELECT	470uF	20%	10V
C106	1-136-165-00	FILM	0.1uF	5%	50V
C107	1-124-472-11	ELECT	470uF	20%	10V
C108	1-136-165-00	FILM	0.1uF	5%	50V
C109	1-124-903-11	ELECT	1uF	20%	50V
C110	1-124-903-11	ELECT	1uF	20%	50V
C111	1-124-472-11	ELECT	470uF	20%	10V
C112	1-124-472-11	ELECT	470uF	20%	10V
C113	1-124-903-11	ELECT	1uF	20%	50V
C114	1-164-159-11	CERAMIC	0.1uF		50V
C115	1-164-159-11	CERAMIC	0.1uF		50V
C116	1-124-120-11	ELECT	220uF	20%	25V
C117	1-164-159-11	CERAMIC	0.1uF		50V
C139	1-164-159-11	CERAMIC	0.1uF		50V
C190	1-124-903-11	ELECT	1uF	20%	50V (D3)
C193	1-124-903-11	ELECT	1uF	20%	50V (D3)
C194	1-124-472-11	ELECT	470uF	20%	10V
C195	1-124-903-11	ELECT	1uF	20%	50V (D3)
C301	1-136-153-00	FILM	0.01uF	5%	50V
C302	1-162-306-11	CERAMIC	0.01uF	20%	16V
C303	1-164-159-11	CERAMIC	0.1uF		50V
C304	1-126-096-11	ELECT	10uF	20%	35V
C305	1-126-096-11	ELECT	10uF	20%	35V
C306	1-126-096-11	ELECT	10uF	20%	35V
C307	1-164-159-11	CERAMIC	0.1uF		50V
C308	1-126-163-11	ELECT	4.7uF	20%	50V
C309	1-164-159-11	CERAMIC	0.1uF		50V
C310	1-126-096-11	ELECT	10uF	20%	35V
C311	1-164-159-11	CERAMIC	0.1uF		50V
C312	1-124-598-11	ELECT	22uF	20%	25V
C313	1-164-159-11	CERAMIC	0.1uF		50V
C314	1-124-598-11	ELECT	22uF	20%	25V
C315	1-164-159-11	CERAMIC	0.1uF		50V
C316	1-162-286-31	CERAMIC	220PF	10%	50V
C317	1-162-286-31	CERAMIC	220PF	10%	50V
C318	1-106-347-00	MYLAR	1500PF	5%	200V
C320	1-124-589-11	ELECT	47uF	20%	16V
C321	1-124-589-11	ELECT	47uF	20%	16V
C322	1-124-598-11	ELECT	22uF	20%	25V
C323	1-164-159-11	CERAMIC	0.1uF		50V
C326	1-164-159-11	CERAMIC	0.1uF		50V
C327	1-124-589-11	ELECT	47uF	20%	16V
C328	1-164-159-11	CERAMIC	0.1uF		50V
C329	1-164-159-11	CERAMIC	0.1uF		50V
C330	1-164-159-11	CERAMIC	0.1uF		50V
C331	1-162-207-31	CERAMIC	22PF	5%	50V
C332	1-162-207-31	CERAMIC	22PF	5%	50V
C333	1-106-363-00	MYLAR	6800PF	5%	200V
C334	1-164-159-11	CERAMIC	0.1uF		50V
C335	1-124-589-11	ELECT	47uF	20%	16V
C336	1-164-159-11	CERAMIC	0.1uF		50V
C337	1-164-159-11	CERAMIC	0.1uF		50V
C338	1-162-294-31	CERAMIC	0.001uF	10%	50V

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

DIGITAL (1) | DIGITAL (2) | SURROUND SP | VIDEO | VIDEO (3) | KEY | BALANCE VOLUME

Ref.No.	Part No.	Description			Remark
C339	1-164-159-11	CERAMIC	0.1uF		50V
C340	1-126-096-11	ELECT	10uF	20%	35V
C341	1-126-096-11	ELECT	10uF	20%	35V
C342	1-164-159-11	CERAMIC	0.1uF		50V
C343	1-124-589-11	ELECT	47uF	20%	16V
C344	1-124-589-11	ELECT	47uF	20%	16V
C345	1-124-598-11	ELECT	22uF	20%	25V
C346	1-164-159-11	CERAMIC	0.1uF		50V
C347	1-164-159-11	CERAMIC	0.1uF		50V
C348	1-162-290-31	CERAMIC	470PF	10%	50V
C349	1-162-290-31	CERAMIC	470PF	10%	50V
C351	1-136-153-00	FILM	0.01uF	5%	50V
C352	1-162-306-11	CERAMIC	0.01uF	20%	16V
C354	1-126-096-11	ELECT	10uF	20%	35V
C355	1-126-096-11	ELECT	10uF	20%	35V
C356	1-126-096-11	ELECT	10uF	20%	35V
C357	1-164-159-11	CERAMIC	0.1uF		50V
C358	1-126-163-11	ELECT	4.7uF	20%	50V
C360	1-162-290-31	CERAMIC	470PF	10%	50V
C361	1-162-290-31	CERAMIC	470PF	10%	50V
C362	1-162-290-31	CERAMIC	470PF	10%	50V
C363	1-162-290-31	CERAMIC	470PF	10%	50V
C364	1-162-290-31	CERAMIC	470PF	10%	50V
C365	1-162-290-31	CERAMIC	470PF	10%	50V
C367	1-162-286-31	CERAMIC	220PF	10%	50V
C368	1-106-347-00	MYLAR	1500PF	5%	200V
C369	1-164-159-11	CERAMIC	0.1uF		50V
C380	1-164-159-11	CERAMIC	0.1uF		50V
C381	1-124-589-11	ELECT	47uF	20%	16V
C382	1-164-159-11	CERAMIC	0.1uF		50V
C383	1-124-589-11	ELECT	47uF	20%	16V
C384	1-162-199-31	CERAMIC	10PF	5%	50V
C385	1-162-306-11	CERAMIC	0.01uF	20%	16V
C386	1-162-211-31	CERAMIC	33PF	5%	50V
C387	1-164-159-11	CERAMIC	0.1uF		50V
C388	1-162-211-31	CERAMIC	33PF	5%	50V
C389	1-124-589-11	ELECT	47uF	20%	16V
C390	1-124-589-11	ELECT	47uF	20%	16V
C391	1-164-159-11	CERAMIC	0.1uF		50V
C392	1-124-589-11	ELECT	47uF	20%	16V
C401	1-124-611-00	ELECT	1uF	20%	50V
C402	1-124-589-11	ELECT	47uF	20%	16V
C403	1-164-159-11	CERAMIC	0.1uF		50V
C404	1-162-205-31	CERAMIC	18PF	5%	50V
C405	1-164-159-11	CERAMIC	0.1uF		50V
C406	1-162-294-31	CERAMIC	0.001uF	10%	50V
C407	1-162-294-31	CERAMIC	0.001uF	10%	50V
C408	1-162-199-31	CERAMIC	10PF	5%	50V
C409	1-124-598-11	ELECT	22uF	20%	25V

Ref.No.	Part No.	Description			Remark
C410	1-162-211-31	CERAMIC	33PF	5%	50V
C411	1-162-199-31	CERAMIC	10PF	5%	50V
C412	1-164-159-11	CERAMIC	0.1uF		50V
C413	1-124-589-11	ELECT	47uF	20%	16V
C414	1-164-159-11	CERAMIC	0.1uF		50V
C415	1-162-294-31	CERAMIC	0.001uF	10%	50V
C416	1-164-159-11	CERAMIC	0.1uF		50V
C417	1-164-159-11	CERAMIC	0.1uF		50V
C418	1-164-159-11	CERAMIC	0.1uF		50V
C419	1-164-159-11	CERAMIC	0.1uF		50V
C420	1-124-589-11	ELECT	47uF	20%	16V
C421	1-162-199-31	CERAMIC	10PF	5%	50V
C422	1-164-159-11	CERAMIC	0.1uF		50V
C423	1-164-159-11	CERAMIC	0.1uF		50V
C424	1-124-589-11	ELECT	47uF	20%	16V
C425	1-162-294-31	CERAMIC	0.001uF	10%	50V
C429	1-164-159-11	CERAMIC	0.1uF		50V
C430	1-124-589-11	ELECT	47uF	20%	16V
C432	1-124-589-11	ELECT	47uF	20%	16V
C501	1-164-159-11	CERAMIC	0.1uF		50V
C502	1-124-598-11	ELECT	22uF	20%	25V
C503	1-164-159-11	CERAMIC	0.1uF		50V
C504	1-124-598-11	ELECT	22uF	20%	25V
C505	1-164-159-11	CERAMIC	0.1uF		50V
C506	1-124-598-11	ELECT	22uF	20%	25V
C507	1-164-159-11	CERAMIC	0.1uF		50V
C508	1-164-159-11	CERAMIC	0.1uF		50V
C509	1-124-598-11	ELECT	22uF	20%	25V
C510	1-164-159-11	CERAMIC	0.1uF		50V
C512	1-164-159-11	CERAMIC	0.1uF		50V
C513	1-124-598-11	ELECT	22uF	20%	25V
C514	1-164-159-11	CERAMIC	0.1uF		50V
C515	1-110-340-11	MYLAR	270PF	5%	50V
C516	1-102-106-00	CERAMIC	100PF	10%	50V
C517	1-102-106-00	CERAMIC	100PF	10%	50V
C518	1-102-106-00	CERAMIC	100PF	10%	50V
C519	1-110-341-11	MYLAR	330PF	5%	50V
C520	1-110-341-11	MYLAR	330PF	5%	50V
C521	1-162-215-31	CERAMIC	47PF	5%	50V
C522	1-126-096-11	ELECT	10uF	20%	35V
C523	1-126-096-11	ELECT	10uF	20%	35V
C524	1-124-598-11	ELECT	22uF	20%	25V
C525	1-126-096-11	ELECT	10uF	20%	35V
C526	1-124-589-11	ELECT	47uF	20%	16V
C527	1-164-159-11	CERAMIC	0.1uF		50V
C528	1-164-159-11	CERAMIC	0.1uF		50V
C529	1-164-159-11	CERAMIC	0.1uF		50V
C530	1-124-598-11	ELECT	22uF	20%	25V
C531	1-110-341-11	MYLAR	330PF	5%	50V

DIGITAL (1) | DIGITAL (2) | SURROUND SP | VIDEO | VIDEO (3) | KEY | BALANCE VOLUME

Ref.No.	Part No.	Description			Remark
C532	1-102-106-00	CERAMIC	100PF	10%	50V
C533	1-130-467-00	MYLAR	470PF	5%	50V
C534	1-102-106-00	CERAMIC	100PF	10%	50V
C535	1-130-467-00	MYLAR	470PF	5%	50V
C536	1-110-341-11	MYLAR	330PF	5%	50V
C539	1-126-096-11	ELECT	10uF	20%	35V
C540	1-126-096-11	ELECT	10uF	20%	35V
C543	1-126-096-11	ELECT	10uF	20%	35V
C547	1-164-159-11	CERAMIC	0.1uF		50V
C548	1-124-589-11	ELECT	47uF	20%	16V
C550	1-124-589-11	ELECT	47uF	20%	16V
C551	1-164-159-11	CERAMIC	0.1uF		50V
C552	1-124-598-11	ELECT	22uF	20%	25V
C553	1-164-159-11	CERAMIC	0.1uF		50V
C554	1-124-598-11	ELECT	22uF	20%	25V
C555	1-164-159-11	CERAMIC	0.1uF		50V
C556	1-124-598-11	ELECT	22uF	20%	25V
C557	1-164-159-11	CERAMIC	0.1uF		50V
C558	1-164-159-11	CERAMIC	0.1uF		50V
C559	1-124-598-11	ELECT	22uF	20%	25V
C560	1-164-159-11	CERAMIC	0.1uF		50V
C562	1-164-159-11	CERAMIC	0.1uF		50V
C563	1-124-598-11	ELECT	22uF	20%	25V
C564	1-164-159-11	CERAMIC	0.1uF		50V
C565	1-110-340-11	MYLAR	270PF	5%	50V
C566	1-102-106-00	CERAMIC	100PF	10%	50V
C567	1-102-106-00	CERAMIC	100PF	10%	50V
C568	1-102-106-00	CERAMIC	100PF	10%	50V
C569	1-110-341-11	MYLAR	330PF	5%	50V
C570	1-110-341-11	MYLAR	330PF	5%	50V
C571	1-162-215-31	CERAMIC	47PF	5%	50V
C572	1-126-096-11	ELECT	10uF	20%	35V
C573	1-126-096-11	ELECT	10uF	20%	35V
C574	1-124-598-11	ELECT	22uF	20%	25V
C575	1-126-096-11	ELECT	10uF	20%	35V
C576	1-124-589-11	ELECT	47uF	20%	16V
C577	1-164-159-11	CERAMIC	0.1uF		50V
C578	1-164-159-11	CERAMIC	0.1uF		50V
C579	1-164-159-11	CERAMIC	0.1uF		50V
C580	1-124-598-11	ELECT	22uF	20%	25V
C581	1-110-341-11	MYLAR	330PF	5%	50V
C582	1-102-106-00	CERAMIC	100PF	10%	50V
C583	1-130-467-00	MYLAR	470PF	5%	50V
C584	1-102-106-00	CERAMIC	100PF	10%	50V
C585	1-130-467-00	MYLAR	470PF	5%	50V
C586	1-110-341-11	MYLAR	330PF	5%	50V
C589	1-126-096-11	ELECT	10uF	20%	35V
C590	1-126-096-11	ELECT	10uF	20%	35V
C593	1-126-096-11	ELECT	10uF	20%	35V

Ref.No.	Part No.	Description			Remark
C599	1-164-159-11	CERAMIC	0.1uF		50V
C617	1-124-907-11	ELECT	10uF	20%	50V
C621	1-164-159-11	CERAMIC	0.1uF		50V
C623	1-164-159-11	CERAMIC	0.1uF		50V
C635	1-124-907-11	ELECT	10uF	20%	50V
C649	1-124-907-11	ELECT	10uF	20%	50V
C667	1-124-907-11	ELECT	10uF	20%	50V
C685	1-124-907-11	ELECT	10uF	20%	50V

< CONNECTOR >

CNJ101	* 1-569-588-11	CONNECTOR, DIN (MONITOR/VIDEO 1)	
CNJ102	* 1-569-588-11	CONNECTOR, DIN (VIDEO 1/VIDEO 2)	
CNJ103	* 1-568-826-11	SOCKET, CONNECTOR 7P	
CNJ104	* 1-568-824-11	SOCKET, CONNECTOR 5P (D3)	
CNJ243	* 1-568-850-11	SOCKET, CONNECTOR 7P	
CNJ301	* 1-568-862-11	SOCKET, CONNECTOR 19P	
CNJ302	* 1-563-106-11	CONNECTOR (SOCKET) 10P	
CNJ401	* 1-568-832-11	SOCKET, CONNECTOR 13P	
CNJ501	* 1-568-824-11	SOCKET, CONNECTOR 5P	
CNJ608	* 1-568-830-11	SOCKET, CONNECTOR 11P	
CNJ609	* 1-568-826-11	SOCKET, CONNECTOR 7P	
CNP145	* 1-569-799-11	PLUG, CONNECTOR 5P	
CNP231	* 1-565-295-11	PLUG, CONNECTOR 4P	
CNP301	* 1-564-521-11	PLUG, CONNECTOR 6P	
CNP401	* 1-506-608-11	PIN, CONNECTOR 10P	
CNP501	* 1-564-506-11	PLUG, CONNECTOR 3P	
CNP606	* 1-564-506-11	PLUG, CONNECTOR 3P	
CNP610	* 1-564-506-11	PLUG, CONNECTOR 3P	
CNP611	* 1-564-506-11	PLUG, CONNECTOR 3P	
CNP612	* 1-564-506-11	PLUG, CONNECTOR 3P	

< DIODE >

D101	8-719-912-20	DIODE 1SS120 (D3)
D102	8-719-912-20	DIODE 1SS120 (D3)
D231	8-719-313-72	LED SEL3810A-CD (-20dB)
D301	8-719-912-20	DIODE 1SS120
D302	8-719-912-20	DIODE 1SS120
D303	8-719-903-27	DIODE 1SS168
D304	8-719-912-20	DIODE 1SS120
D305	8-719-912-20	DIODE 1SS120
D306	8-719-912-20	DIODE 1SS120
D351	8-719-912-20	DIODE 1SS120
D352	8-719-912-20	DIODE 1SS120
D401	8-719-912-20	DIODE 1SS120
D402	8-719-912-20	DIODE 1SS120
D403	8-719-200-82	DIODE 11ES2
D404	8-719-918-45	DIODE KV1310
D405	8-719-903-27	DIODE 1SS168
D742	8-719-912-20	DIODE 1SS120

DIGITAL (1) | DIGITAL (2) | SURROUND SP | VIDEO | VIDEO (3)

KEY | BALANCE VOLUME

Ref.No.	Part No.	Description	Remark
D743	8-719-912-20	DIODE 1SS120	
D744	8-719-912-20	DIODE 1SS120	
D745	8-719-912-20	DIODE 1SS120	
D746	8-719-912-20	DIODE 1SS120	
D747	8-719-912-20	DIODE 1SS120	
D748	8-719-912-20	DIODE 1SS120	
D749	8-719-912-20	DIODE 1SS120	
		< IC >	
IC101	8-759-991-77	IC BA7625	
IC102	8-759-991-78	IC BA7626	
IC103	8-759-991-77	IC BA7625	
IC104	8-759-056-91	IC BA7611AN (D3)	
IC301	8-759-999-09	IC CS5326KP-A	
IC302	8-759-503-91	IC TL082ACP	
IC303	8-759-924-12	IC LM7805CT	
IC304	8-759-982-21	IC RC78L05A	
IC305	8-759-982-44	IC RC79L05A	
IC306	8-759-634-51	IC M5218AP	
IC307	8-759-148-89	IC uPD6376CX	
IC308	8-759-822-82	IC CXD2556M	
IC309	8-759-973-98	IC YM3623B	
IC310	8-759-916-12	IC SN74HC00AN	
IC311	8-759-921-08	IC SN74HC02AN	
IC312	8-759-917-18	IC SN74HCU04AN	
IC313	8-752-331-87	IC CXD1160AP	
IC314	8-752-331-87	IC CXD1160AP	
IC315	8-759-924-12	IC LM7805CT	
IC316	8-759-978-11	IC MSM3764A-12RS	
IC317	8-759-917-18	IC SN74HCU04N	
IC318	8-741-646-01	IC SBX1646-01	
IC319	8-759-924-12	IC LM7805CT	
IC400	8-759-982-21	IC RC78L05A	
IC401	8-759-250-81	IC TC5081AP	
IC402	8-759-917-11	IC SN74HC393AN	
IC403	8-759-917-18	IC SN74HCU04AN	
IC404	8-759-520-53	IC CXD1355AQ	
IC405	8-759-508-07	IC MS514256-80NC	
IC406	8-759-520-53	IC CXD1355AQ	
IC407	8-759-508-07	IC MS514256-80NC	
IC408	8-759-917-18	IC SN74HCU04N	
IC409	8-759-982-23	IC RC78L08A	
IC501	8-752-335-52	IC CXD2552Q-2	
IC502	8-759-924-12	IC LM7805CT	
IC503	8-759-711-35	IC NJM4580D	
IC504	8-759-711-35	IC NJM4580D	
IC505	8-759-711-35	IC NJM4580D	
IC506	8-759-711-35	IC NJM4580D	
IC551	8-752-335-52	IC CXD2552Q-2	
IC553	8-759-711-35	IC NJM4580D	
IC554	8-759-711-35	IC NJM4580D	
IC555	8-759-711-35	IC NJM4580D	
IC556	8-759-711-35	IC NJM4580D	
IC612	8-759-801-01	IC LC4966	
IC614	8-759-711-35	IC NJM4580D	
		< JACK >	
J101	1-568-752-51	JACK, PIN (3P SHIELD TYPE) (VIDEO 1/VIDEO 2,LD)	
J102	1-568-751-51	JACK, PIN (2P SHIELD TYPE) (MONITOR)	
J138	1-580-174-31	JACK, PIN (3P FRONT) (VIDEO 3)	
J301	1-568-750-21	JACK, PIN (1P SHIELD TYPE) (COAXIAL)	
J606	1-573-520-11	JACK, PIN 4P (CENTER/PRE)	
J607	1-565-258-11	JACK, PIN 4P (ADAPTOR)	
		< COIL >	
L301	1-410-324-11	INDUCTOR 4.7uH	
L302	1-410-397-21	FERRITE BEAD INDUCTOR	
L303	1-410-324-11	INDUCTOR 4.7uH	
L304	1-410-324-11	INDUCTOR 4.7uH	
L305	1-410-324-11	INDUCTOR 4.7uH	
L306	1-410-324-11	INDUCTOR 4.7uH	
L307	1-410-324-11	INDUCTOR 4.7uH	
L308	1-410-324-11	INDUCTOR 4.7uH	
L309	1-410-324-11	INDUCTOR 4.7uH	
L310	1-410-324-11	INDUCTOR 4.7uH	
L311	1-410-396-41	INDUCTOR 0.45uH	
L312	1-410-324-11	INDUCTOR 4.7uH	
L313	1-410-499-41	INDUCTOR 1.5uH	
L401	1-426-850-11	COIL (RF)	
L402	1-426-850-11	COIL (RF)	
L403	1-410-324-11	INDUCTOR 4.7uH	
L405	1-410-324-11	INDUCTOR 4.7uH	
L406	1-410-324-11	INDUCTOR 4.7uH	
L408	1-410-324-11	INDUCTOR 4.7uH	
L409	1-410-324-11	INDUCTOR 4.7uH	
L415	1-410-324-11	INDUCTOR 4.7uH	
L501	1-410-324-11	INDUCTOR 4.7uH	
L551	1-410-324-11	INDUCTOR 4.7uH	
L702	* 1-420-872-00	COIL, AIR CORE	
L703	* 1-420-872-00	COIL, AIR CORE	
L752	* 1-420-872-00	COIL, AIR CORE	
		< TRANSISTOR >	
Q101	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q102	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q103	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q104	8-729-119-76	TRANSISTOR 2SA1175-HFE	

DIGITAL (1) DIGITAL (2) SURROUND SP VIDEO VIDEO (3) KEY BALANCE VOLUME

Ref.No.	Part No.	Description	Remark
Q105	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q106	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q108	8-729-900-80	TRANSISTOR DTC114ES	
Q109	8-729-900-80	TRANSISTOR DTC114ES	
Q110	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q302	8-729-900-80	TRANSISTOR DTC114ES	
Q403	8-729-200-56	TRANSISTOR 2SK241-GR	
Q404	8-729-200-56	TRANSISTOR 2SK241-GR	
Q405	8-729-900-61	TRANSISTOR DTA114ES	
Q501	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q502	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q503	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q504	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q506	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q507	8-729-900-61	TRANSISTOR DTA114ES	
Q508	8-729-900-61	TRANSISTOR DTA114ES	
Q509	8-729-900-61	TRANSISTOR DTA114ES	
Q510	8-729-900-61	TRANSISTOR DTA114ES	
Q511	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q512	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q551	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q552	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q553	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q554	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q556	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q561	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q562	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q604	8-729-900-80	TRANSISTOR DTC114ES	
Q605	8-729-900-61	TRANSISTOR DTA114ES	
Q606	8-729-900-80	TRANSISTOR DTC114ES	
Q607	8-729-900-61	TRANSISTOR DTA114ES	
Q608	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q609	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q610	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q613	8-729-900-61	TRANSISTOR DTA114ES	
Q624	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q625	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q626	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q627	8-729-107-84	TRANSISTOR 2SC3623A-L	
Q742	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q743	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q745	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q822	8-729-107-84	TRANSISTOR 2SC3623A-L	

< RESISTOR >

Ref.No.	Part No.	Description			Remark
R100	1-249-405-11	CARBON	100	5%	1/4W
R101	1-247-804-11	CARBON	75	5%	1/4W
R102	1-247-804-11	CARBON	75	5%	1/4W
R103	1-247-804-11	CARBON	75	5%	1/4W
R104	1-247-804-11	CARBON	75	5%	1/4W
R105	1-247-804-11	CARBON	75	5%	1/4W
R106	1-247-804-11	CARBON	75	5%	1/4W
R107	1-249-429-11	CARBON	10K	5%	1/4W
R108	1-249-429-11	CARBON	10K	5%	1/4W
R109	1-249-405-11	CARBON	100	5%	1/4W
R110	1-249-405-11	CARBON	100	5%	1/4W
R111	1-249-413-11	CARBON	470	5%	1/4W
R112	1-249-405-11	CARBON	100	5%	1/4W
R113	1-247-804-11	CARBON	75	5%	1/4W
R114	1-247-804-11	CARBON	75	5%	1/4W
R115	1-249-429-11	CARBON	10K	5%	1/4W
R116	1-249-429-11	CARBON	10K	5%	1/4W
R117	1-249-405-11	CARBON	100	5%	1/4W
R118	1-249-405-11	CARBON	100	5%	1/4W
R119	1-249-413-11	CARBON	470	5%	1/4W
R120	1-249-405-11	CARBON	100	5%	1/4W
R121	1-247-804-11	CARBON	75	5%	1/4W
R122	1-247-804-11	CARBON	75	5%	1/4W
R123	1-247-804-11	CARBON	75	5%	1/4W
R125	1-249-429-11	CARBON	10K	5%	1/4W
R126	1-249-405-11	CARBON	100	5%	1/4W
R127	1-249-405-11	CARBON	100	5%	1/4W
R128	1-249-405-11	CARBON	100	5%	1/4W
R129	1-249-405-11	CARBON	100	5%	1/4W
R137	1-249-433-11	CARBON	22K	5%	1/4W
R139	1-247-804-11	CARBON	75	5%	1/4W
R172	1-247-804-11	CARBON	75	5%	1/4W
R174	1-249-429-11	CARBON	10K	5%	1/4W
R190	1-249-433-11	CARBON	22K	5%	1/4W
R191	1-249-405-11	CARBON	100	5%	1/4W
R192	1-249-425-11	CARBON	4.7K	5%	1/4W (D3)
R193	1-249-425-11	CARBON	4.7K	5%	1/4W (D3)
R194	1-249-425-11	CARBON	4.7K	5%	1/4W (D3)
R195	1-249-425-11	CARBON	4.7K	5%	1/4W (D3)
R196	1-249-433-11	CARBON	22K	5%	1/4W (D3)
R197	1-249-433-11	CARBON	22K	5%	1/4W (D3)
R198	1-247-804-11	CARBON	75	5%	1/4W
R199	1-249-429-11	CARBON	10K	5%	1/4W
R301	1-249-441-11	CARBON	100K	5%	1/4W
R303	1-249-435-11	CARBON	33K	5%	1/4W
R304	1-249-435-11	CARBON	33K	5%	1/4W
R305	1-249-405-11	CARBON	100	5%	1/4W
R306	1-249-401-11	CARBON	47	5%	1/4W
R307	1-249-393-11	CARBON	10	5%	1/4W
R308	1-249-429-11	CARBON	10K	5%	1/4W
R309	1-247-895-00	CARBON	470K	5%	1/4W
R310	1-249-426-11	CARBON	5.6K	5%	1/4W
R311	1-249-405-11	CARBON	100	5%	1/4W

DIGITAL (1) **DIGITAL (2)** **SURROUND SP** **VIDEO** **VIDEO (3)**

KEY **BALANCE VOLUME**

Ref.No.	Part No.	Description				Remark
R312	1-249-405-11	CARBON	100	5%	1/4W	
R313	1-249-405-11	CARBON	100	5%	1/4W	
R318	1-249-423-11	CARBON	3.3K	5%	1/4W	
R320	1-249-427-11	CARBON	6.8K	5%	1/4W	
R321	1-249-420-11	CARBON	1.8K	5%	1/4W	
R322	1-249-424-11	CARBON	3.9K	5%	1/4W	
R325	1-247-903-00	CARBON	1M	5%	1/4W	
R326	1-249-407-11	CARBON	150	5%	1/4W	
R327	1-249-405-11	CARBON	100	5%	1/4W	
R328	1-247-903-00	CARBON	1M	5%	1/4W	
R329	1-249-429-11	CARBON	10K	5%	1/4W	
R330	1-249-441-11	CARBON	100K	5%	1/4W	
R331	1-247-903-00	CARBON	1M	5%	1/4W	
R332	1-247-804-11	CARBON	75	5%	1/4W	
R333	1-249-405-11	CARBON	100	5%	1/4W	
R334	1-249-433-11	CARBON	22K	5%	1/4W	
R335	1-249-441-11	CARBON	100K	5%	1/4W	
R336	1-249-433-11	CARBON	22K	5%	1/4W	
R337	1-249-414-11	CARBON	560	5%	1/4W	
R338	1-249-414-11	CARBON	560	5%	1/4W	
R339	1-249-414-11	CARBON	560	5%	1/4W	
R340	1-249-414-11	CARBON	560	5%	1/4W	
R341	1-249-414-11	CARBON	560	5%	1/4W	
R342	1-249-414-11	CARBON	560	5%	1/4W	
R343	1-249-414-11	CARBON	560	5%	1/4W	
R344	1-249-414-11	CARBON	560	5%	1/4W	
R345	1-249-417-11	CARBON	1K	5%	1/4W	
R346	1-249-417-11	CARBON	1K	5%	1/4W	
R347	1-249-417-11	CARBON	1K	5%	1/4W	
R348	1-249-417-11	CARBON	1K	5%	1/4W	
R349	1-249-417-11	CARBON	1K	5%	1/4W	
R350	1-249-417-11	CARBON	1K	5%	1/4W	
R351	1-249-441-11	CARBON	100K	5%	1/4W	
R352	1-249-417-11	CARBON	1K	5%	1/4W	
R353	1-249-435-11	CARBON	33K	5%	1/4W	
R354	1-249-435-11	CARBON	33K	5%	1/4W	
R355	1-249-405-11	CARBON	100	5%	1/4W	
R356	1-249-401-11	CARBON	47	5%	1/4W	
R358	1-249-429-11	CARBON	10K	5%	1/4W	
R360	1-249-426-11	CARBON	5.6K	5%	1/4W	
R368	1-249-423-11	CARBON	3.3K	5%	1/4W	
R370	1-249-427-11	CARBON	6.8K	5%	1/4W	
R371	1-249-420-11	CARBON	1.8K	5%	1/4W	
R372	1-249-424-11	CARBON	3.9K	5%	1/4W	
R380	1-247-903-00	CARBON	1M	5%	1/4W	
R381	1-249-401-11	CARBON	47	5%	1/4W	
R401	1-249-435-11	CARBON	33K	5%	1/4W	
R402	1-249-437-11	CARBON	47K	5%	1/4W	
R403	1-249-423-11	CARBON	3.3K	5%	1/4W	
R404	1-249-423-11	CARBON	3.3K	5%	1/4W	
R405	1-249-413-11	CARBON	470	5%	1/4W	
R406	1-249-417-11	CARBON	1K	5%	1/4W	
R407	1-249-429-11	CARBON	10K	5%	1/4W	
R408	1-249-441-11	CARBON	100K	5%	1/4W	
R409	1-247-903-00	CARBON	1M	5%	1/4W	
R410	1-249-429-11	CARBON	10K	5%	1/4W	
R411	1-249-428-11	CARBON	8.2K	5%	1/4W	
R412	1-249-441-11	CARBON	100K	5%	1/4W	
R413	1-249-417-11	CARBON	1K	5%	1/4W	
R414	1-249-417-11	CARBON	1K	5%	1/4W	
R415	1-249-417-11	CARBON	1K	5%	1/4W	
R416	1-249-405-11	CARBON	100	5%	1/4W	
R417	1-249-417-11	CARBON	1K	5%	1/4W	
R418	1-247-903-00	CARBON	1M	5%	1/4W	
R419	1-247-903-00	CARBON	1M	5%	1/4W	
R421	1-247-887-00	CARBON	220K	5%	1/4W	
R422	1-249-429-11	CARBON	10K	5%	1/4W	
R423	1-249-429-11	CARBON	10K	5%	1/4W	
R439	1-249-413-11	CARBON	470	5%	1/4W	
R440	1-249-413-11	CARBON	470	5%	1/4W	
R442	1-249-413-11	CARBON	470	5%	1/4W	
R443	1-249-413-11	CARBON	470	5%	1/4W	
R444	1-249-413-11	CARBON	470	5%	1/4W	
R446	1-249-413-11	CARBON	470	5%	1/4W	
R447	1-249-413-11	CARBON	470	5%	1/4W	
R448	1-249-413-11	CARBON	470	5%	1/4W	
R449	1-249-417-11	CARBON	1K	5%	1/4W	
R450	1-249-417-11	CARBON	1K	5%	1/4W	
R451	1-249-417-11	CARBON	1K	5%	1/4W	
R452	1-249-417-11	CARBON	1K	5%	1/4W	
R453	1-249-417-11	CARBON	1K	5%	1/4W	
R454	1-249-417-11	CARBON	1K	5%	1/4W	
R455	1-249-417-11	CARBON	1K	5%	1/4W	
R456	1-249-417-11	CARBON	1K	5%	1/4W	
R491	1-249-433-11	CARBON	22K	5%	1/4W	
R492	1-249-433-11	CARBON	22K	5%	1/4W	
R498	1-249-433-11	CARBON	22K	5%	1/4W	
R499	1-249-433-11	CARBON	22K	5%	1/4W	
R500	1-249-425-11	CARBON	4.7K	5%	1/4W	
R501	1-247-854-11	CARBON	9.1K	5%	1/4W	
R502	1-249-425-11	CARBON	4.7K	5%	1/4W	
R503	1-247-854-11	CARBON	9.1K	5%	1/4W	
R504	1-249-425-11	CARBON	4.7K	5%	1/4W	
R505	1-247-862-11	CARBON	20K	5%	1/4W	
R506	1-249-426-11	CARBON	5.6K	5%	1/4W	
R507	1-249-426-11	CARBON	5.6K	5%	1/4W	
R508	1-247-862-11	CARBON	20K	5%	1/4W	
R509	1-249-426-11	CARBON	5.6K	5%	1/4W	

DIGITAL (1) DIGITAL (2) SURROUND SP VIDEO VIDEO (3) KEY BALANCE VOLUME

Ref.No.	Part No.	Description			Remark
R510	1-249-426-11	CARBON	5.6K	5%	1/4W
R511	1-249-418-11	CARBON	1.2K	5%	1/4W
R512	1-249-405-11	CARBON	100	5%	1/4W
R513	1-249-423-11	CARBON	3.3K	5%	1/4W
R514	1-249-420-11	CARBON	1.8K	5%	1/4W
R515	1-249-417-11	CARBON	1K	5%	1/4W
R516	1-249-441-11	CARBON	100K	5%	1/4W
R517	1-247-844-11	CARBON	3.6K	5%	1/4W
R518	1-249-425-11	CARBON	4.7K	5%	1/4W
R519	1-249-441-11	CARBON	100K	5%	1/4W
R520	1-249-429-11	CARBON	10K	5%	1/4W
R521	1-249-425-11	CARBON	4.7K	5%	1/4W
R522	1-249-441-11	CARBON	100K	5%	1/4W
R523	1-247-836-11	CARBON	1.6K	5%	1/4W
R524	1-249-421-11	CARBON	2.2K	5%	1/4W
R525	1-247-887-00	CARBON	220K	5%	1/4W
R526	1-249-417-11	CARBON	1K	5%	1/4W
R527	1-249-417-11	CARBON	1K	5%	1/4W
R528	1-249-413-11	CARBON	470	5%	1/4W
R529	1-249-425-11	CARBON	4.7K	5%	1/4W
R530	1-247-854-11	CARBON	9.1K	5%	1/4W
R531	1-249-425-11	CARBON	4.7K	5%	1/4W
R532	1-247-854-11	CARBON	9.1K	5%	1/4W
R533	1-249-425-11	CARBON	4.7K	5%	1/4W
R534	1-247-862-11	CARBON	20K	5%	1/4W
R535	1-249-426-11	CARBON	5.6K	5%	1/4W
R536	1-249-426-11	CARBON	5.6K	5%	1/4W
R537	1-247-862-11	CARBON	20K	5%	1/4W
R538	1-249-426-11	CARBON	5.6K	5%	1/4W
R539	1-249-426-11	CARBON	5.6K	5%	1/4W
R540	1-249-423-11	CARBON	3.3K	5%	1/4W
R541	1-249-433-11	CARBON	22K	5%	1/4W
R542	1-247-887-00	CARBON	220K	5%	1/4W
R543	1-249-425-11	CARBON	4.7K	5%	1/4W
R544	1-249-425-11	CARBON	4.7K	5%	1/4W
R549	1-249-413-11	CARBON	470	5%	1/4W
R550	1-249-425-11	CARBON	4.7K	5%	1/4W
R551	1-247-854-11	CARBON	9.1K	5%	1/4W
R552	1-249-425-11	CARBON	4.7K	5%	1/4W
R553	1-247-854-11	CARBON	9.1K	5%	1/4W
R554	1-249-425-11	CARBON	4.7K	5%	1/4W
R555	1-247-862-11	CARBON	20K	5%	1/4W
R556	1-249-426-11	CARBON	5.6K	5%	1/4W
R557	1-249-426-11	CARBON	5.6K	5%	1/4W
R558	1-247-862-11	CARBON	20K	5%	1/4W
R559	1-249-426-11	CARBON	5.6K	5%	1/4W
R560	1-249-426-11	CARBON	5.6K	5%	1/4W
R561	1-249-418-11	CARBON	1.2K	5%	1/4W
R562	1-249-405-11	CARBON	100	5%	1/4W
R563	1-249-423-11	CARBON	3.3K	5%	1/4W
R564	1-249-420-11	CARBON	1.8K	5%	1/4W
R565	1-249-417-11	CARBON	1K	5%	1/4W
R566	1-249-441-11	CARBON	100K	5%	1/4W
R567	1-247-844-11	CARBON	3.6K	5%	1/4W
R568	1-249-425-11	CARBON	4.7K	5%	1/4W
R569	1-249-441-11	CARBON	100K	5%	1/4W
R570	1-249-429-11	CARBON	10K	5%	1/4W
R571	1-249-425-11	CARBON	4.7K	5%	1/4W
R572	1-249-441-11	CARBON	100K	5%	1/4W
R573	1-247-836-11	CARBON	1.6K	5%	1/4W
R574	1-249-421-11	CARBON	2.2K	5%	1/4W
R575	1-247-887-00	CARBON	220K	5%	1/4W
R576	1-249-417-11	CARBON	1K	5%	1/4W
R577	1-249-417-11	CARBON	1K	5%	1/4W
R578	1-249-413-11	CARBON	470	5%	1/4W
R579	1-249-425-11	CARBON	4.7K	5%	1/4W
R580	1-247-854-11	CARBON	9.1K	5%	1/4W
R581	1-249-425-11	CARBON	4.7K	5%	1/4W
R582	1-247-854-11	CARBON	9.1K	5%	1/4W
R583	1-249-425-11	CARBON	4.7K	5%	1/4W
R584	1-247-862-11	CARBON	20K	5%	1/4W
R585	1-249-426-11	CARBON	5.6K	5%	1/4W
R586	1-249-426-11	CARBON	5.6K	5%	1/4W
R587	1-247-862-11	CARBON	20K	5%	1/4W
R588	1-249-426-11	CARBON	5.6K	5%	1/4W
R589	1-249-426-11	CARBON	5.6K	5%	1/4W
R590	1-249-423-11	CARBON	3.3K	5%	1/4W
R591	1-249-433-11	CARBON	22K	5%	1/4W
R592	1-247-887-00	CARBON	220K	5%	1/4W
R593	1-249-425-11	CARBON	4.7K	5%	1/4W
R594	1-249-425-11	CARBON	4.7K	5%	1/4W
R595	1-247-903-00	CARBON	1M	5%	1/4W
R596	1-249-441-11	CARBON	100K	5%	1/4W
R597	1-247-903-00	CARBON	1M	5%	1/4W
R598	1-247-903-00	CARBON	1M	5%	1/4W
R599	1-249-413-11	CARBON	470	5%	1/4W
R616	1-249-429-11	CARBON	10K	5%	1/4W
R617	1-249-420-11	CARBON	1.8K	5%	1/4W
R623	1-249-417-11	CARBON	1K	5%	1/4W
R624	1-249-441-11	CARBON	100K	5%	1/4W
R629	1-249-429-11	CARBON	10K	5%	1/4W
R630	1-249-426-11	CARBON	5.6K	5%	1/4W
R632	1-249-433-11	CARBON	22K	5%	1/4W
R633	1-249-413-11	CARBON	470	5%	1/4W
R634	1-249-413-11	CARBON	470	5%	1/4W
R635	1-249-413-11	CARBON	470	5%	1/4W
R636	1-249-426-11	CARBON	5.6K	5%	1/4W
R637	1-249-441-11	CARBON	100K	5%	1/4W

DIGITAL (1) | DIGITAL (2) | SURROUND SP | VIDEO | VIDEO (3)

KEY | BALANCE VOLUME | ON SCREEN

Ref.No.	Part No.	Description			Remark
R638	1-249-426-11	CARBON	5.6K	5%	1/4W
R639	1-249-426-11	CARBON	5.6K	5%	1/4W
R666	1-249-429-11	CARBON	10K	5%	1/4W
R667	1-249-420-11	CARBON	1.8K	5%	1/4W
R673	1-249-417-11	CARBON	1K	5%	1/4W
R676	1-249-433-11	CARBON	22K	5%	1/4W
R677	1-249-433-11	CARBON	22K	5%	1/4W
R739	1-249-417-11	CARBON	1K	5%	1/4W
R740	1-249-429-11	CARBON	10K	5%	1/4W
R749	1-249-389-11	CARBON	4.7	5%	1/4W
R750	1-249-389-11	CARBON	4.7	5%	1/4W
R752	1-249-441-11	CARBON	100K	5%	1/4W
R762	1-249-429-11	CARBON	10K	5%	1/4W
R763	1-249-433-11	CARBON	22K	5%	1/4W
R770	1-249-425-11	CARBON	4.7K	5%	1/4W
R771	1-249-441-11	CARBON	100K	5%	1/4W
R772	1-249-441-11	CARBON	100K	5%	1/4W
R784	1-249-433-11	CARBON	22K	5%	1/4W
R788	1-249-425-11	CARBON	4.7K	5%	1/4W
R789	1-249-417-11	CARBON	1K	5%	1/4W
R790	1-249-429-11	CARBON	10K	5%	1/4W
R799	1-249-389-11	CARBON	4.7	5%	1/4W
R871	1-249-413-11	CARBON	470	5%	1/4W
R873	1-249-413-11	CARBON	470	5%	1/4W
R874	1-249-413-11	CARBON	470	5%	1/4W
R889	1-249-426-11	CARBON	5.6K	5%	1/4W
R891	1-249-426-11	CARBON	5.6K	5%	1/4W
R892	1-249-426-11	CARBON	5.6K	5%	1/4W
R893	1-249-426-11	CARBON	5.6K	5%	1/4W
R894	1-249-426-11	CARBON	5.6K	5%	1/4W
		< VARIABLE RESISTOR >			
RV241	1-238-965-11	RES, VAR, CARBON 100K/100K (BALANCE)			
		< IC >			
RX301	8-749-921-11	IC GP1F32R (OPTICAL)			
		< RELAY >			
RY702	1-515-790-11	RELAY			
RY703	1-515-790-11	RELAY			
RY704	1-515-790-11	RELAY			
		< SWITCH >			
S257	1-572-184-11	SWITCH, KEYBOARD (MUTING)			
S258	1-572-184-11	SWITCH, KEYBOARD (DBFB)			
		< TERMINAL >			
TM702	1-536-706-00	TERMINAL BOARD (SP) (REAR/DRLC SPEAKER)			

Ref.No.	Part No.	Description			Remark
		< CRYSTAL >			
X301	1-577-269-11	VIBRATOR, CRYSTAL (18.432MHz)			
X302	1-579-047-11	VIBRATOR, CRYSTAL (30.798MHz)			

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* A-4345-786-A ON SCREEN BOARD, COMPLETE (D3)

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< CAPACITOR >

C119	1-124-907-11	ELECT	10uF	20%	50V
C120	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C121	1-124-907-11	ELECT	10uF	20%	50V
C122	1-163-227-11	CERAMIC CHIP	10PF	5%	50V
C123	1-126-096-11	ELECT	10uF	20%	35V
C124	1-136-162-00	FILM	0.056uF	5%	50V
C125	1-136-153-00	FILM	0.01uF	5%	50V
C126	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C127	1-124-907-11	ELECT	10uF	20%	50V
C128	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C129	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C130	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C131	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C132	1-124-907-11	ELECT	10uF	20%	50V
C133	1-124-903-11	ELECT	1uF	20%	50V
C134	1-124-903-11	ELECT	1uF	20%	50V
C135	1-124-903-11	ELECT	1uF	20%	50V
C136	1-124-903-11	ELECT	1uF	20%	50V
C137	1-136-161-00	FILM	0.047uF	5%	50V
C138	1-124-903-11	ELECT	1uF	20%	50V
C140	1-126-096-11	ELECT	10uF	20%	35V
C146	1-130-468-00	MYLAR	560PF	5%	50V
C147	1-124-477-11	ELECT	47uF	20%	25V
C148	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C150	1-124-903-11	ELECT	1uF	20%	50V
C151	1-130-475-00	MYLAR	0.0022uF	5%	50V
C152	1-130-472-00	MYLAR	0.0012uF	5%	50V
C153	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C154	1-124-477-11	ELECT	47uF	20%	25V
C155	1-130-475-00	MYLAR	0.0022uF	5%	50V
C158	1-130-477-00	MYLAR	0.0033uF	5%	50V
C159	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C161	1-130-473-00	MYLAR	0.0015uF	5%	50V
C163	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C164	1-124-477-11	ELECT	47uF	20%	25V
C165	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C168	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C169	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

ON SCREEN

Ref.No.	Part No.	Description			Remark
C170	1-124-477-11	ELECT	47uF	20%	25V
C171	1-163-234-11	CERAMIC CHIP	20PF	5%	50V
C172	1-163-234-11	CERAMIC CHIP	20PF	5%	50V
C173	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C174	1-124-477-11	ELECT	47uF	20%	25V
C175	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C181	1-136-165-00	FILM	0.1uF	5%	50V
C182	1-124-925-11	ELECT	2.2uF	20%	100V
C183	1-136-157-00	FILM	0.022uF	5%	50V
C184	1-136-154-00	FILM	0.012uF	5%	50V
C185	1-130-476-00	MYLAR	0.0027uF	5%	50V
C186	1-124-903-11	ELECT	1uF	20%	50V
C187	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C188	1-124-477-11	ELECT	47uF	20%	25V
C197	1-124-477-11	ELECT	47uF	20%	25V
C198	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C199	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
CNJ105 *	1-568-824-11	SOCKET, CONNECTOR 5P			
CNJ106 *	1-568-826-11	SOCKET, CONNECTOR 7P			
		< TRIMMER >			
CT101	1-141-227-00	CAP, TRIMMER	20PF		
		< IC >			
IC105	8-759-931-47	IC SN74LS628NS			
IC106	8-759-636-55	IC M5218AFP			
IC107	8-759-250-81	IC TC5081AP			
IC108	8-759-927-29	IC SN74HCU04ANS			
IC110	8-759-914-57	IC BA7230LS			
IC111	8-759-996-03	IC LVA519S			
IC113	8-759-902-88	IC SN74LS123NS			
IC114	8-759-907-81	IC SN74LS221NS			
IC115	8-759-916-25	IC SN74HC32AN			
IC117	8-759-922-51	IC V9938			
IC118	8-759-922-42	IC MB81464-12			
IC119	8-759-922-42	IC MB81464-12			
IC120	8-759-926-80	IC SN74HC573BNS			
IC121	8-759-926-77	IC SN74HC541ANS			
IC122	8-759-066-22	IC HN27C101AP12-R001			
IC123	8-759-927-46	IC SN74HC00ANS			
IC124	8-759-927-46	IC SN74HC00ANS			
IC125	8-759-048-99	IC HD6435208F			
IC126	8-759-925-82	IC SN74HC21ANS			
IC127	8-759-925-76	IC SN74HC08ANS			
IC128	8-759-824-06	IC LC3664RML-12-TE-L			
IC129	8-759-925-78	IC SN74HC10ANS			

Ref.No.	Part No.	Description			Remark
IC130	8-759-925-76	IC SN74HC08ANS			
IC171	8-759-902-88	IC SN74LS123NS			
		< COIL >			
L101	1-410-470-11	INDUCTOR 10uH			
L102	1-410-470-11	INDUCTOR 10uH			
L103	1-410-470-11	INDUCTOR 10uH			
		< TRANSISTOR >			
Q112	8-729-216-22	TRANSISTOR 2SA1162-G			
Q113	8-729-216-22	TRANSISTOR 2SA1162-G			
Q114	8-729-216-22	TRANSISTOR 2SA1162-G			
Q115	8-729-113-13	TRANSISTOR FA1A4M-L33			
Q116	8-729-216-22	TRANSISTOR 2SA1162-G			
Q117	8-729-113-13	TRANSISTOR FA1A4M-L33			
Q118	8-729-113-13	TRANSISTOR FA1A4M-L33			
Q119	8-729-113-72	TRANSISTOR FN1A4M-T1M33			
Q120	8-729-100-66	TRANSISTOR 2SC1623-G			
		< RESISTOR >			
R120	1-216-105-00	METAL CHIP	220K	5%	1/10W
R130	1-216-049-00	METAL CHIP	1K	5%	1/10W
R131	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R132	1-216-097-00	METAL CHIP	100K	5%	1/10W
R133	1-216-045-00	METAL CHIP	680	5%	1/10W
R134	1-216-097-00	METAL CHIP	100K	5%	1/10W
R135	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R136	1-216-073-00	METAL CHIP	10K	5%	1/10W
R137	1-216-073-00	METAL CHIP	10K	5%	1/10W
R138	1-216-073-00	METAL CHIP	10K	5%	1/10W
R140	1-216-039-00	METAL CHIP	390	5%	1/10W
R144	1-216-085-00	METAL CHIP	33K	5%	1/10W
R145	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R146	1-216-043-00	METAL CHIP	560	5%	1/10W
R147	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R150	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R151	1-216-041-00	METAL CHIP	470	5%	1/10W
R152	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R153	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R154	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R155	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R157	1-216-105-00	METAL CHIP	220K	5%	1/10W
R158	1-216-072-00	METAL CHIP	9.1K	5%	1/10W
R159	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R160	1-216-083-00	METAL CHIP	27K	5%	1/10W
R161	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R162	1-216-073-00	METAL CHIP	10K	5%	1/10W
R163	1-216-073-00	METAL CHIP	10K	5%	1/10W
R164	1-216-097-00	METAL CHIP	100K	5%	1/10W

ON SCREEN

Ref.No.	Part No.	Description			Remark
R165	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R166	1-216-049-00	METAL CHIP	1K	5%	1/10W
R167	1-216-049-00	METAL CHIP	1K	5%	1/10W
R168	1-216-041-00	METAL CHIP	470	5%	1/10W
R169	1-216-085-00	METAL CHIP	33K	5%	1/10W
R171	1-216-073-00	METAL CHIP	10K	5%	1/10W
R173	1-216-073-00	METAL CHIP	10K	5%	1/10W
R177	1-216-748-11	METAL CHIP	39K	1%	1/10W
R178	1-216-093-00	METAL CHIP	68K	5%	1/10W
R179	1-216-064-00	METAL CHIP	4.3K	5%	1/10W
R180	1-216-041-00	METAL CHIP	470	5%	1/10W
R181	1-216-041-00	METAL CHIP	470	5%	1/10W
R182	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R183	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R184	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R185	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R186	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R187	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R188	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R189	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1001	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1002	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1003	1-216-073-00	METAL CHIP	10K	5%	1/10W
		< VARIABLE RESISTOR >			
RV103	1-228-991-00	RES, ADJ, METAL 2.2K			
RV104	1-238-600-11	RES, ADJ, CARBON 10K			
RV105	1-238-597-11	RES, ADJ, CARBON 1K			
RV106	1-238-598-11	RES, ADJ, CARBON 2.2K			
		< THERMISTOR >			
THP101	1-806-366-11	THERMISTOR (POSITIVE)			
		< CONNECTOR >			
TP101	* 1-560-060-00	PIN, CONNECTOR 2P			
TP102	* 1-560-060-00	PIN, CONNECTOR 2P			
TP103	* 1-560-060-00	PIN, CONNECTOR 2P			
		< CRYSTAL >			
X102	1-567-505-11	OSCILLATOR, CRYSTAL			
X103	1-577-121-11	VIBRATOR, CRYSTAL			

****

MISCELLANEOUS
****

13	1-575-968-11	WIRE, FLAT TYPE (7 CORE)
17	1-690-091-11	WIRE, FLAT TYPE (21 CORE)
61	1-590-031-11	WIRE, FLAT TYPE (5 CORE)
62	1-590-240-11	WIRE, FLAT TYPE (7 CORE)
69	1-590-036-11	WIRE, FLAT TYPE (13 CORE)
70	* 1-590-241-11	WIRE, FLAT TYPE (11 CORE)
71	1-690-421-11	WIRE, FLAT TYPE (7 CORE)
72	1-690-420-21	WIRE, FLAT TYPE (7 CORE)
73	1-690-422-11	WIRE, FLAT TYPE (19 CORE)
74	1-690-635-11	WIRE, FLAT TYPE (7 CORE)
76	1-535-706-11	PLUG, JUMPER
77	1-534-517-00	WIRE, FLAT TYPE (11 CORE)
110	⚠1-575-975-11	CORD, POWER (D3/D2:US, Canadian)
110	⚠1-590-074-11	CORD, POWER (D2:E2, E3)
111	⚠1-569-007-11	ADAPTER, CONVERSION 2P (D2:E2/E3)
D721	8-719-302-37	DIODE RBV-602
F601	⚠1-576-109-11	FUSE T5A
F602	⚠1-576-109-11	FUSE T5A
F603	⚠1-576-108-11	FUSE T4A
F901	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) T4A
F901	⚠1-576-108-11	FUSE (D2/D3:US, Canadian) T4A
F902	⚠1-532-749-11	FUSE, GLASS TUBE (D3/D2:US, Canadian) T8A
F903	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) T4A
F904	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) T4A
F905	⚠1-532-350-00	FUSE, TIME-LAG (D2:E2/E3) T4A
Q702	8-729-320-82	TRANSISTOR 2SC2922-OY
Q705	8-729-209-15	TRANSISTOR 2SD2012
Q709	8-729-320-74	TRANSISTOR 2SA1216-OY
Q752	8-729-320-82	TRANSISTOR 2SC2922-OY
Q755	8-729-209-15	TRANSISTOR 2SD2012
Q759	8-729-320-74	TRANSISTOR 2SA1216-OY
T902	⚠1-450-692-11	TRANSFORMER, POWER (D3/D2:US, Canadian)
T902	⚠1-450-780-11	TRANSFORMER, POWER (D2:E2/E3)

****

ACCESSORIES & PACKING MATERIALS
****

	1-417-141-11	MATCHING TRANSFORMER, ANTENNA
	1-465-810-11	COMMANDER, STANDARD (RM-P311)
	1-501-224-00	ANTENNA, FEEDER
	1-501-374-11	ANTENNA, LOOP
	3-754-061-21	MANUAL, INSTRUCTION(ENGLISH)
	3-754-061-31	MANUAL, INSTRUCTION(FRENCH) (D3/D2:Canadian)
	3-795-433-31	INSTRUCTION (D3/D2:Canadian)
	4-925-079-01	COVER (6), BATTERY
*	4-931-047-01	CUSHION
*	4-949-403-01	INDIVIDUAL CARTON (D2)
*	4-949-404-01	INDIVIDUAL CARTON (D3)
	9-910-999-33	INSTRUCTION (D2:US)

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark

HARDWARE LIST

****

#1	7-682-548-09	SCREW +BVTT 3X8 (S)	
#2	7-682-547-04	SCREW +BVTT 3X6 (S)	
#3	7-682-548-04	SCREW +BVTT 3X8 (S)	
#4	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#5	7-682-550-09	SCREW +B 3X12	
#6	7-682-547-09	SCREW +BVTT 3X6 (S)	
#7	7-682-561-04	SCREW +BVTT 4X8 (S)	
#8	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	

9-956-790-11

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Audio Group

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STR-D2070X/D3070X

SONY

SERVICE MANUAL

US Model
Canadian Model
STR-D2070X/D3070X:

E Model
STR-D2070X:

CORRECTION-1

Correct your service manual as shown below.

☛ : indicates corrected portion.

<table>
<tr><th>Page</th><th>INCORRECT</th><th>CORRECT</th></tr>
<tr><td>1</td><td>
<table>
<tr><td rowspan="4">Input sensitivity/ impedance</td><td>PHONO MM</td><td>2.5 mV, 50 kilohms</td></tr>
<tr><td>DAT, CD, VIDEO 1,2,3 TAPE 1, 2</td><td>150 mV
50 kilohms</td></tr>
<tr><td>DIGITAL (COAXIAL)</td><td>0.5Vp-p, ± 20%, 75 ohms</td></tr>
<tr><td>DIGITAL (OPTICAL)</td><td>TOSLINK</td></tr>
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<tr><td>DIGITAL (OPTICAL)</td><td>TOSLINK</td></tr>
<tr><td>☛</td><td>POWER IN</td><td>1V</td></tr>
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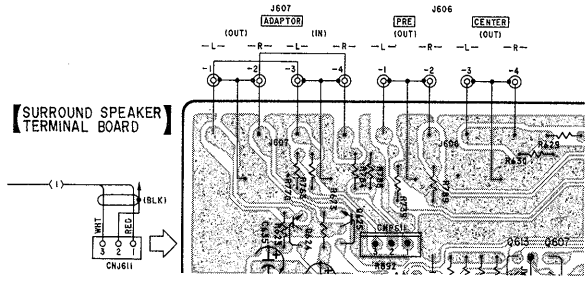
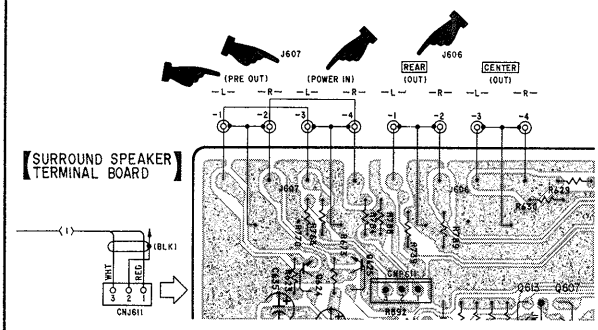
<tr><td>21</td><td> 
</td><td> 
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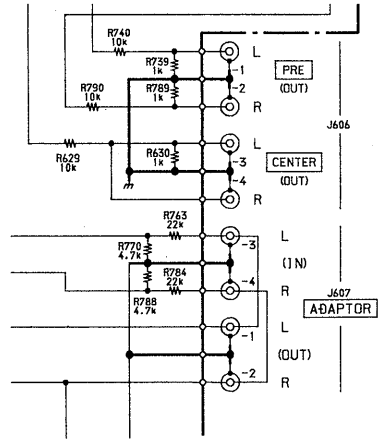
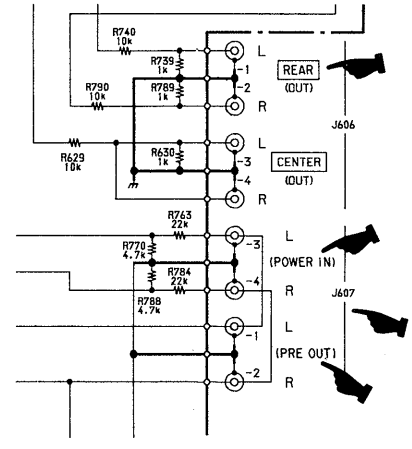
Page	INCORRECT	CORRECT
37		

	Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
75	J606	1-573-520-11	JACK, PIN 4P (CENTER/PRE)		J606	1-573-520-11	JACK, PIN 4P (CENTER/REAR)	☛
	J607	1-565-258-11	JACK, PIN 4P (ADAPTOR)		J607	1-565-258-11	JACK, PIN 4P (PRE OUT/POWER IN)	☛